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new tests

2 x Intel Xeon Platinum 8380 testing with a Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS) and ASPEED on Clear Linux OS 37730 via the Phoronix Test Suite.

Automated Executive Summary

8380 2p 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 (8380 2p b) was 1.5x the speed of the slowest (6346 a). 8380 2p a was 0.994x the speed of 8380 2p b, 8380 b was 0.868x the speed of 8380 2p a, 8380 a was 1x the speed of 8380 b, 6346 2P was 0.995x the speed of 8380 a, 6346 c was 0.778x the speed of 6346 2P, 6346 b was 0.999x the speed of 6346 c, 6346 a was 1x the speed of 6346 b.

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

Blender (Blend File: Barbershop - Compute: CPU-Only) at 4.147x

Blender (Blend File: Pabellon Barcelona - Compute: CPU-Only) at 4.134x

Blender (Blend File: BMW27 - Compute: CPU-Only) at 4.113x

Blender (Blend File: Classroom - Compute: CPU-Only) at 4.104x

Blender (Blend File: Fishy Cat - Compute: CPU-Only) at 3.999x

SVT-AV1 (Encoder Mode: Preset 8 - Input: Bosphorus 4K) at 1.653x

SVT-AV1 (Encoder Mode: Preset 12 - Input: Bosphorus 4K) at 1.389x

SVT-AV1 (*Encoder Mode: Preset 8 - Input: Bosphorus 1080p*) at 1.306x

SVT-AV1 (*Encoder Mode: Preset 13 - Input: Bosphorus 4K*) at 1.284x

SVT-AV1 (*Encoder Mode: Preset 4 - Input: Bosphorus 4K*) at 1.279x.

Test Systems:

6346 2P

Processor: 2 x Intel Xeon Gold 6346 @ 3.60GHz (32 Cores / 64 Threads), Motherboard: Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS), Chipset: Intel Device 0998, Memory: 512GB, Disk: 800GB INTEL SSDPF21Q800GB, Graphics: ASPEED, Network: 2 x Intel X710 for 10GBASE-T + 2 x Intel E810-C for QSFP

OS: Clear Linux OS 37730, Kernel: 6.0.11-1216.native (x86_64), Display Server: X Server, Compiler: GCC 12.2.1 20221130 releases/gcc-12.2.0-251-g24b8b44ea3 + Clang 15.0.4 + LLVM 15.0.4, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always
 Environment Notes: FFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ffree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -malign-data=abi -fno-semantic-interposition -ffree-vectorize -freeto-loop-vectorize -WI,-enable-new-dtags" CXXFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ffree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -WI,-sort-common -WI,-enable-new-dtags -mtune=skylake -mrelax-cmpxchg-loop -fvisibility-inlines-hidden -WI,-enable-new-dtags -std=gnu++17" FCFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ffree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -malign-data=abi -fno-semantic-interposition -ffree-vectorize -freeto-loop-vectorize -WI,-sort-common -WI,-enable-new-dtags" CFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ffree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -WI,-sort-common -WI,-enable-new-dtags -mtune=skylake -mrelax-cmpxchg-loop" THEANO_FLAGS="floatX=float32,openmp=true,gcc.cxxflags=-ffree-vectorize -maxv"
 Compiler Notes: --build=x86_64-generic-linux --disable-libmpx --disable-libunwind-exceptions --disable-multiarch --disable-vtable-verify --disable-werror --enable_cxa_atexit --enable-bootstrap --enable-cet --enable-clocale-gnu --enable-default-pie --enable-gnu-indirect-function --enable-gnu-indirect-function --enable-host-shared --enable-languages=c,c++,fortran,go,jit --enable-ld=default --enable-libstdcxx-pch --enable-linux-futex --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=x86-64-v3 --with-gcc-major-version-only --with-glibc-version=2.35 --with-gnu-ld --with-isl --with-pic --with-ppl=yes --with-tune=skylake-avx512 --with-zstd
 Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0xd000375
 Python Notes: Python 3.11.0
 Security Notes: i1lb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + rebleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling PBRSB-elIBRS: SW sequence + srbs: Not affected + tsx_async_abort: Not affected

6346 a

6346 b

6346 c

Processor: Intel Xeon Gold 6346 @ 3.60GHz (16 Cores / 32 Threads), Motherboard: Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS), Chipset: Intel Device 0998, Memory: 256GB, Disk: 800GB INTEL SSDPF21Q800GB, Graphics: ASPEED, Network: 2 x Intel X710 for 10GBASE-T + 2 x Intel E810-C for QSFP

OS: Clear Linux OS 37730, Kernel: 6.0.11-1216.native (x86_64), Display Server: X Server, Compiler: GCC 12.2.1 20221130 releases/gcc-12.2.0-251-g24b8b44ea3 + Clang 15.0.4 + LLVM 15.0.4, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always
 Environment Notes: FFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ffree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -malign-data=abi -fno-semantic-interposition -ffree-vectorize -freeto-loop-vectorize

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-WI,--enable-new-dtags" CXXFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -WI,-sort-common -WI,--enable-new-dtags -mtune=skylake -mrelax-cmpxchg-loop -fvisibility-inlines-hidden -WI,--enable-new-dtags -std=gnu++17" FCFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -malign-data=abi -fno-semantic-interposition -ftree-vectorize -ftree-loop-vectorize -WI,-sort-common -WI,--enable-new-dtags" CFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -WI,-sort-common -WI,--enable-new-dtags -mtune=skylake -mrelax-cmpxchg-loop" THEANO_FLAGS="floatX=float32,openmp=true,gcc.cxxflags=-ftree-vectorize -maxv"
Compiler Notes: --build=x86_64-generic-linux --disable-libmpx --disable-libunwind-exceptions --disable-multiarch --disable-vtable-verify --disable-werror --enable__cxa_atexit --enable-bootstrap --enable-cet --enable-clocale-gnu --enable-default-pie --enable-gnu-indirect-function --enable-gnu-indirect-function --enable-host-shared --enable-languages=c,c++,fortran,go,jit --enable-ld=default --enable-libstdcxx-pch --enable-linux-futex --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=x86-64-v3 --with-gcc-major-version-only --with-glibc-version=2.35 --with-gnu-ld --with-isl --with-pic --with-ppl=yes --with-tune=skylake-avx512 --with-zstd
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0xd000375
Python Notes: Python 3.11.0
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + rebleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling PBRSB-elIBRS: SW sequence + srbs: Not affected + tsx_async_abort: Not affected
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8380 a

8380 b

Processor: Intel Xeon Platinum 8380 @ 3.40GHz (40 Cores / 80 Threads), Motherboard: Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS), Chipset: Intel Device 0998, Memory: 256GB, Disk: 800GB INTEL SSDPF21Q800GB, Graphics: ASPEED, Network: 2 x Intel X710 for 10GBASE-T + 2 x Intel E810-C for QSFP

OS: Clear Linux OS 37730, Kernel: 6.0.11-1216.native (x86_64), Display Server: X Server, Compiler: GCC 12.2.1 20221130 releases/gcc-12.2.0-251-g24b8b44ea3 + Clang 15.0.4 + LLVM 15.0.4, File-System: ext4, Screen Resolution: 1024x768

```
Kernel Notes: Transparent Huge Pages: always
Environment Notes: FFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -malign-data=abi -fno-semantic-interposition -ftree-vectorize -ftree-loop-vectorize -WI,--enable-new-dtags" CXXFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -WI,-sort-common -WI,--enable-new-dtags -mtune=skylake -mrelax-cmpxchg-loop -fvisibility-inlines-hidden -WI,--enable-new-dtags -std=gnu++17" FCFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -malign-data=abi -fno-semantic-interposition -ftree-vectorize -ftree-loop-vectorize -WI,-sort-common -WI,--enable-new-dtags" CFLAGS="-g -O3 -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -WI,-z,now -WI,-z,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -WI,-sort-common -WI,--enable-new-dtags -mtune=skylake -mrelax-cmpxchg-loop" THEANO_FLAGS="floatX=float32,openmp=true,gcc.cxxflags=-ftree-vectorize -maxv"
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```

8380 2p a

8380 2p b

Processor: 2 x Intel Xeon Platinum 8380 @ 3.40GHz (80 Cores / 160 Threads), Motherboard: Intel M50CYP2SB2U (SE5C6200.86B.0022.D08.2103221623 BIOS), Chipset: Intel Device 0998, Memory: 512GB, Disk: 800GB INTEL SSDPF21Q800GB, Graphics: ASPEED, Network: 2 x Intel X710 for 10GBASE-T + 2 x Intel E810-C for QSFP

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Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0xd0000375

Python Notes: Python 3.11.0

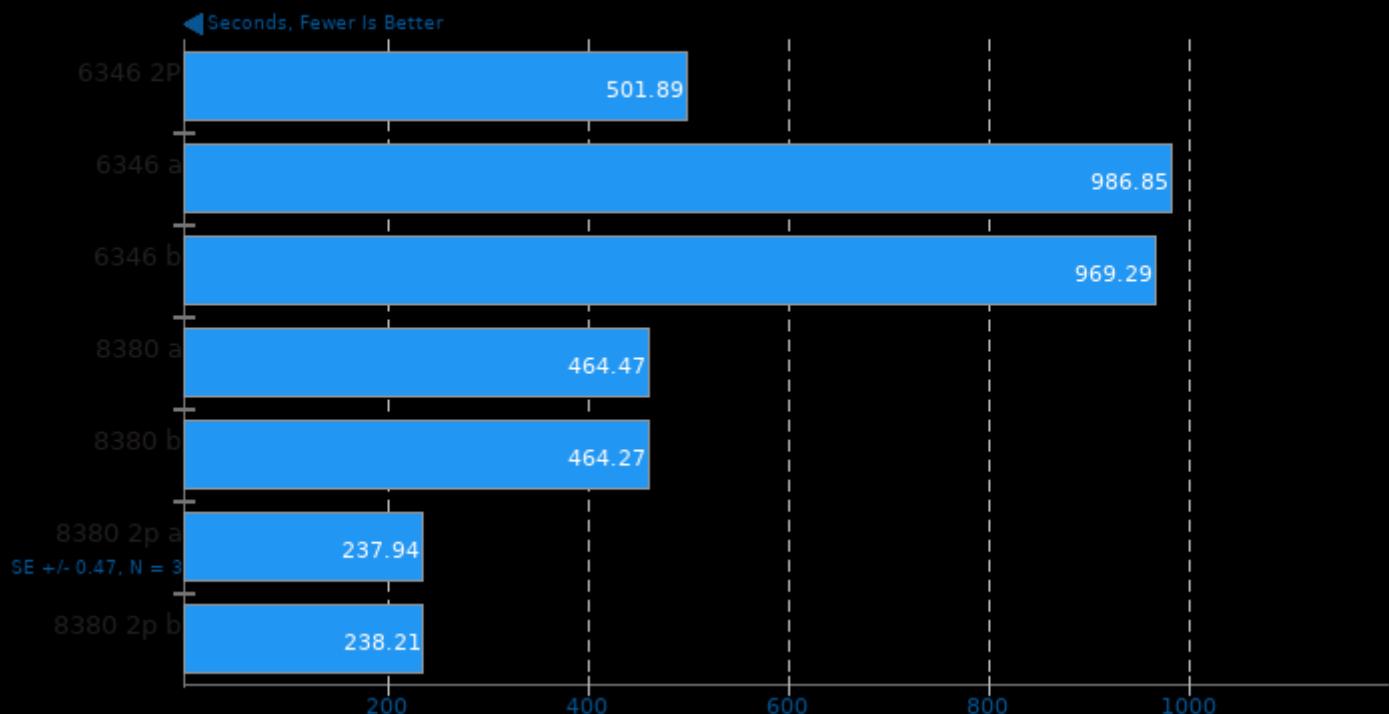
Security Notes: itbl_multithit: Not affected + i1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + rebleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling PBRSB-elIBRS: SW sequence + srbd: Not affected + tsx_async_abort: Not affected

	6346 2P	6346 a	6346 b	6346 c	8380 a	8380 b	8380 2p a	8380 2p b
Blender - Barbershop - CPU-Only (sec)	501.89	986.85	969.29		464.47	464.27	237.94	238.21
Normalized	47.41%	24.11%	24.55%		51.23%	51.25%	100%	99.89%
Standard Deviation							0.3%	0.1%
Blender - Pabellon	154.82	306.51	306.09		149.28	150.09	74.64	74.15
Barcelona - CPU-Only (sec)								
Normalized	47.89%	24.19%	24.22%		49.67%	49.4%	99.34%	100%
Standard Deviation							0.1%	0.05%
Blender - BMW27 - CPU-Only (sec)	46.79	92.35	93.57	92.31	45.61	45.78	23.03	22.75
Normalized	48.62%	24.63%	24.31%	24.65%	49.88%	49.69%	98.78%	100%
Standard Deviation							0.5%	0.4%
Blender - Classroom - CPU-Only (sec)	127.57	252.33	252.54	251.78	124.36	124.07	62.01	61.53
Normalized	48.23%	24.38%	24.36%	24.44%	49.48%	49.59%	99.23%	100%
Standard Deviation							0.4%	0.3%
Blender - Fishy Cat - CPU-Only (sec)	62.75	122.74	120.93	121.45	59.77	59.92	31.09	30.69
Normalized	48.91%	25%	25.38%	25.27%	51.35%	51.22%	98.71%	100%
Standard Deviation							1.2%	1.1%
SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)	66.017	44.337	45.038	44.724	65.099	65.454	72.684	73.267
Normalized	90.1%	60.51%	61.47%	61.04%	88.85%	89.34%	99.2%	100%
Standard Deviation							1%	0.9%
SVT-AV1 - Preset 12 - Bosphorus 4K (FPS)	201.643	164.337	167.554	165.822	221.34	222.374	226.237	228.187
Normalized	88.37%	72.02%	73.43%	72.67%	97%	97.45%	99.15%	100%
Standard Deviation							0.6%	0.5%
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	151.818	120.205	118.12	119.959	148.928	150.499	154.246	153.606
Normalized	98.43%	77.93%	76.58%	77.77%	96.55%	97.57%	100%	99.59%
Standard Deviation							1.7%	1.6%

SVT-AV1 - Preset 13 -	200.672	160.363	161.324	161.064	202.852	203.967	203.550	205.944
Bosphorus 4K (FPS)								
Normalized	97.44%	77.87%	78.33%	78.21%	98.5%	99.04%	98.84%	100%
Standard Deviation							1%	
SVT-AV1 - Preset 4 -	3.792	3.133	3.109	3.106	3.82	3.794	3.943	3.974
Bosphorus 4K (FPS)								
Normalized	95.42%	78.84%	78.23%	78.16%	96.12%	95.47%	99.22%	100%
Standard Deviation							0.5%	
SVT-AV1 - Preset 12 -	605.262	538.061	543.091	539.355	604.969	607.394	605.862	615.118
Bosphorus 1080p (FPS)								
Normalized	98.4%	87.47%	88.29%	87.68%	98.35%	98.74%	98.5%	100%
Standard Deviation							1.5%	
Scikit-Learn - TSNE	25.46	24.45	24.594		25.991	25.491	27.647	26.893
MNIST Dataset (sec)								
Normalized	96.03%	100%	99.41%		94.07%	95.92%	88.44%	90.92%
Standard Deviation							0.6%	
rav1e - 10 (FPS)	10.77	9.895	9.945	10.103	11.006	10.89	10.455	10.593
Normalized	97.86%	89.91%	90.36%	91.8%	100%	98.95%	94.99%	96.25%
Standard Deviation							0.6%	
SVT-AV1 - Preset 4 -	9.613	8.933	8.904	8.807	9.539	9.514	9.568	9.697
Bosphorus 1080p (FPS)								
Normalized	99.13%	92.12%	91.82%	90.82%	98.37%	98.11%	98.67%	100%
Standard Deviation							1%	
rav1e - 6 (FPS)	4.576	4.211	4.2	4.188	4.546	4.492	4.386	4.402
Normalized	100%	92.02%	91.78%	91.52%	99.34%	98.16%	95.85%	96.2%
Standard Deviation							0.9%	
SVT-AV1 - Preset 13 -	591.927	550.004	549.112	548.641	567.444	570.186	565.958	560.728
Bosphorus 1080p (FPS)								
Normalized	100%	92.92%	92.77%	92.69%	95.86%	96.33%	95.61%	94.73%
Standard Deviation							0.3%	
Scikit-Learn - S.R.P.1.I	144.487	149.303	151.608		146.358	146.911	142.380	141.808
(sec)								
Normalized	98.15%	94.98%	93.54%		96.89%	96.53%	99.6%	100%
Standard Deviation							0.7%	
rav1e - 5 (FPS)	2.9	2.781	2.732	2.762	2.853	2.855	2.805	2.792
Normalized	100%	95.9%	94.21%	95.24%	98.38%	98.45%	96.72%	96.28%
Standard Deviation							0.1%	
rav1e - 1 (FPS)	0.718	0.702	0.7	0.705	0.686	0.687	0.678	0.679
Normalized	100%	97.77%	97.49%	98.19%	95.54%	95.68%	94.43%	94.57%
Standard Deviation							0.5%	
Scikit-Learn - MNIST	118.058	117.481	117.535		118.61	118.024	119.981	120.008
Dataset (sec)								
Normalized	99.51%	100%	99.95%		99.05%	99.54%	97.92%	97.89%
Standard Deviation							0.4%	

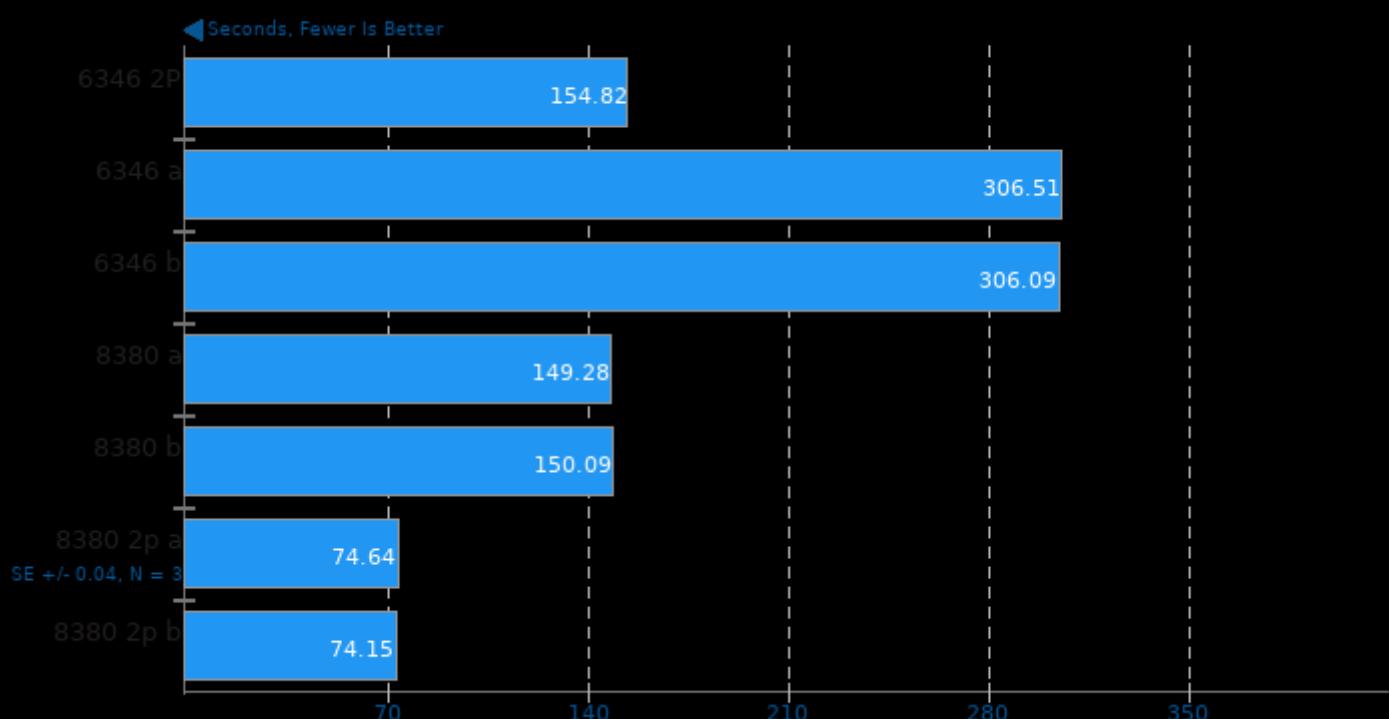
Blender 3.4

Blend File: Barbershop - Compute: CPU-Only



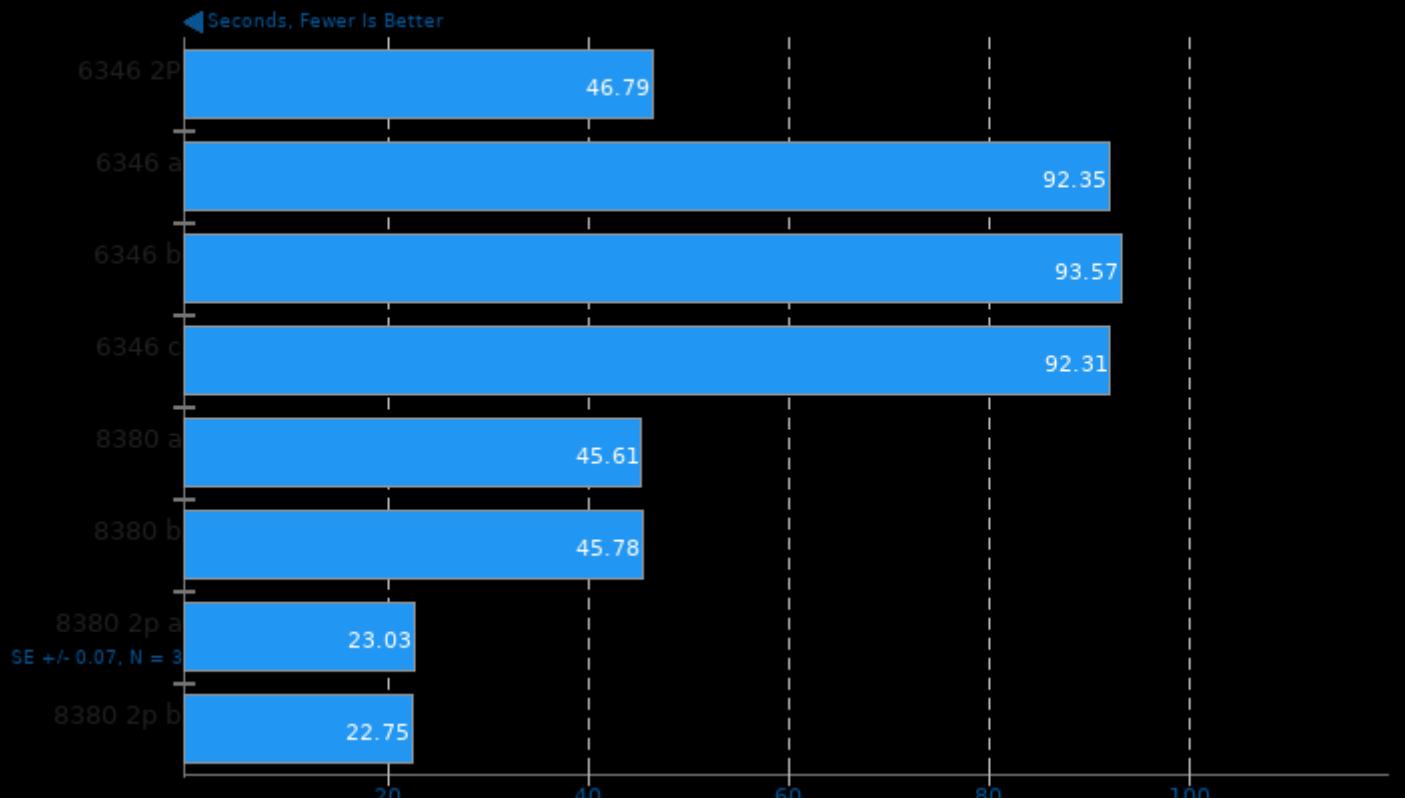
Blender 3.4

Blend File: Pabellon Barcelona - Compute: CPU-Only



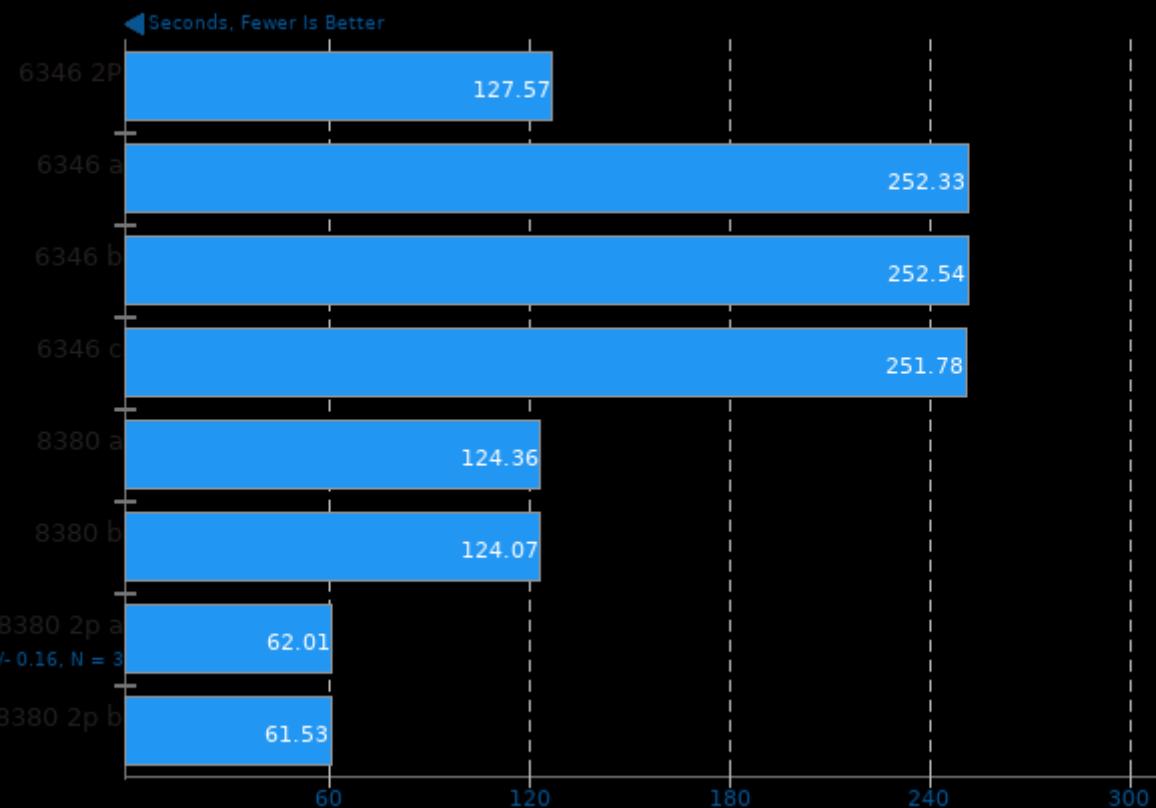
Blender 3.4

Blend File: BMW27 - Compute: CPU-Only



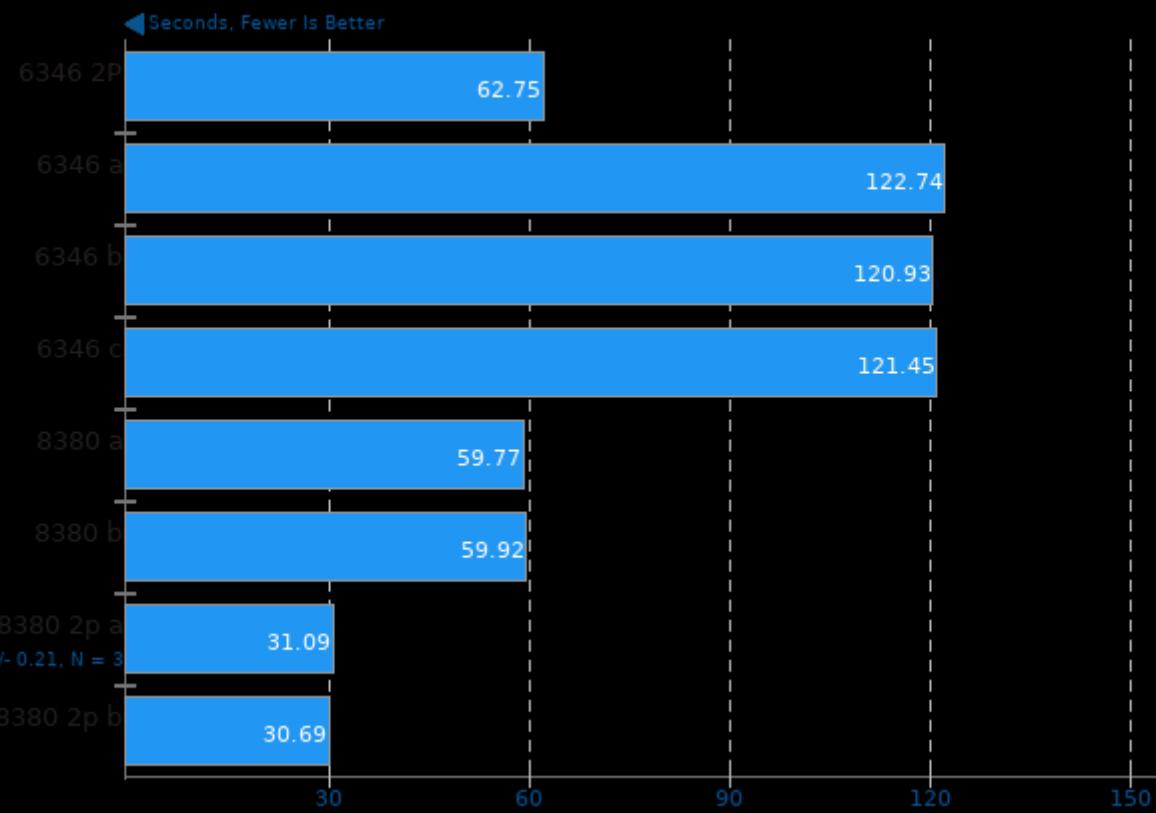
Blender 3.4

Blend File: Classroom - Compute: CPU-Only



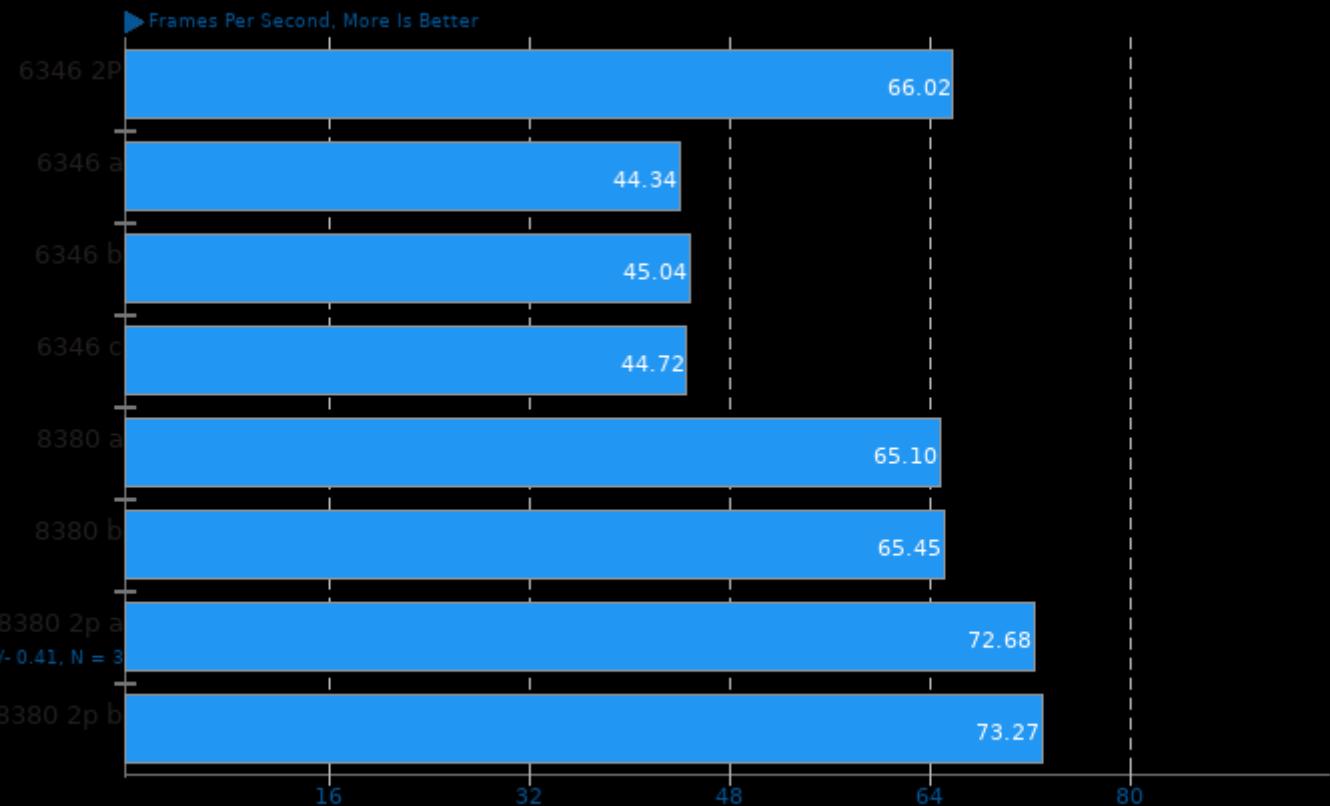
Blender 3.4

Blend File: Fishy Cat - Compute: CPU-Only



SVT-AV1 1.4

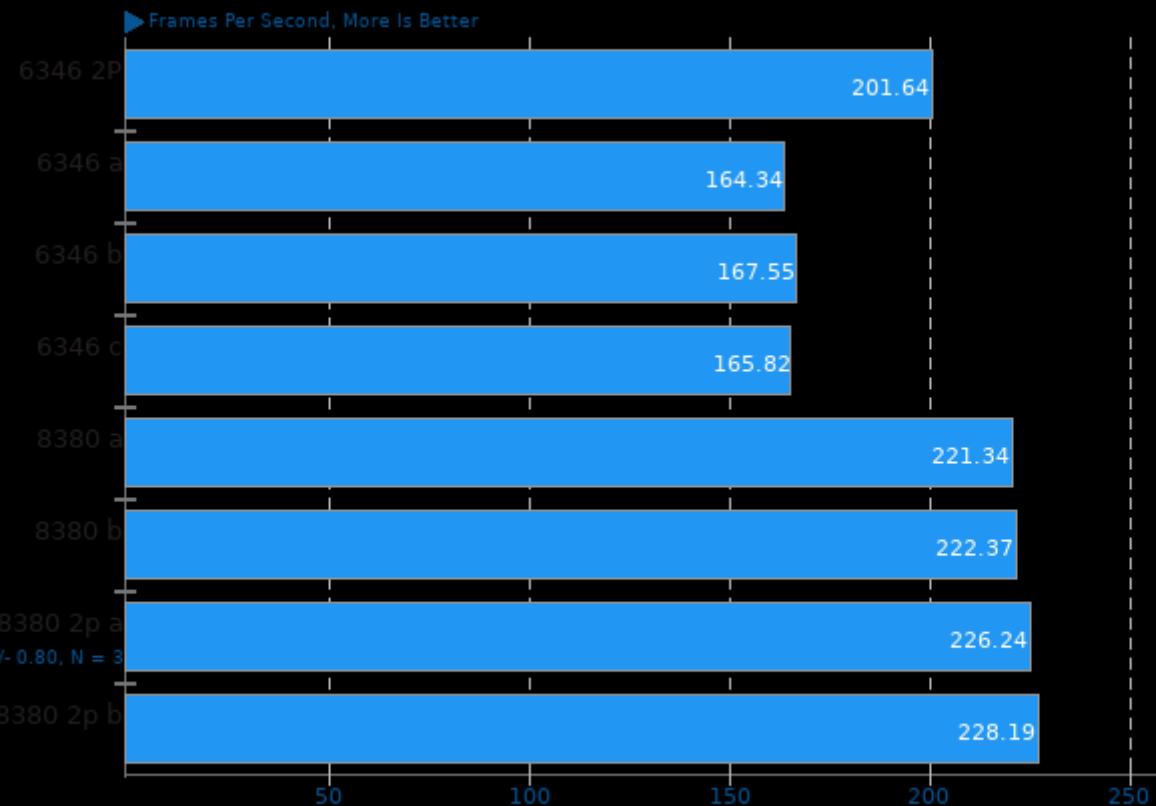
Encoder Mode: Preset 8 - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

SVT-AV1 1.4

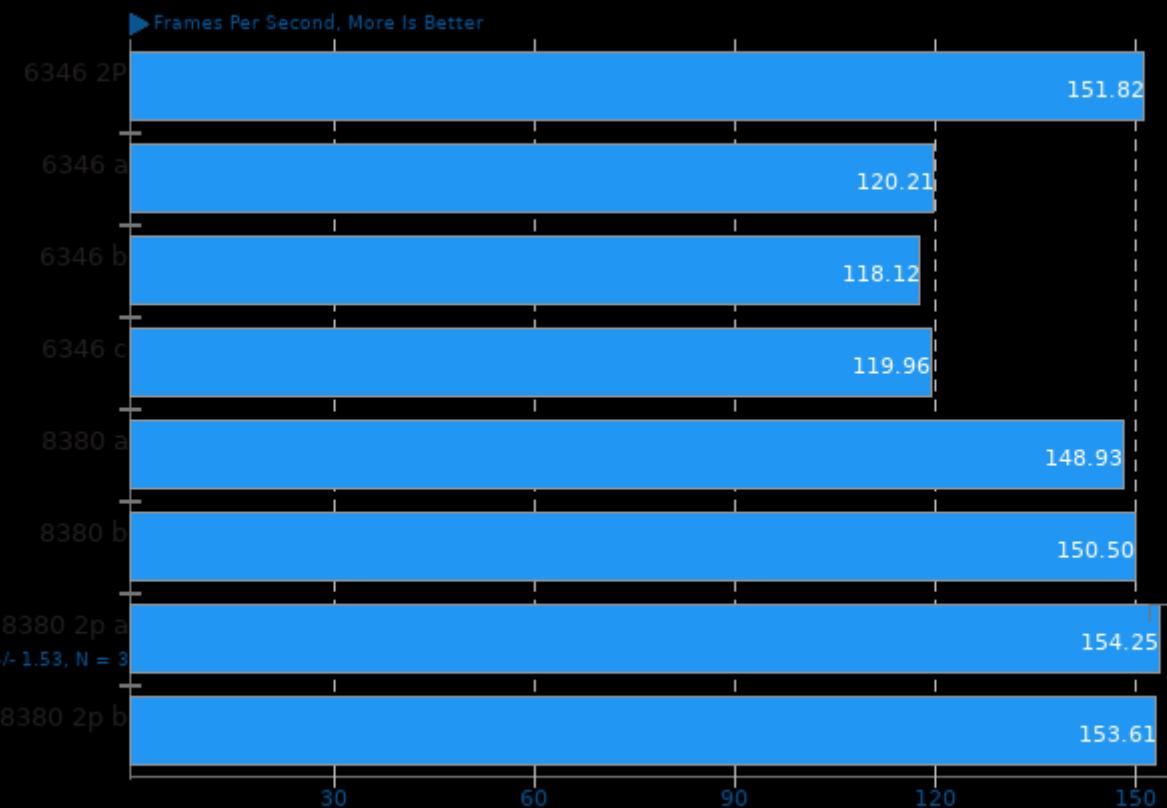
Encoder Mode: Preset 12 - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

SVT-AV1 1.4

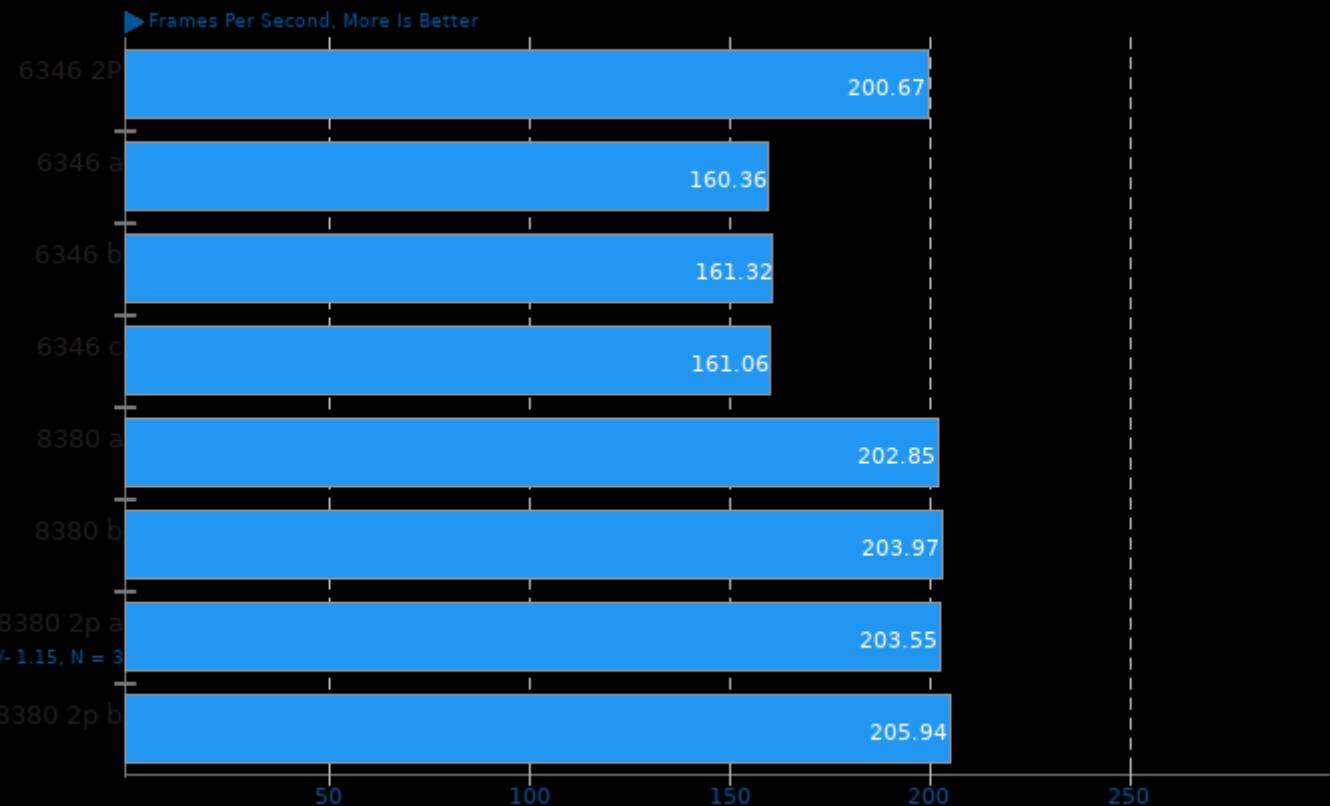
Encoder Mode: Preset 8 - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

SVT-AV1 1.4

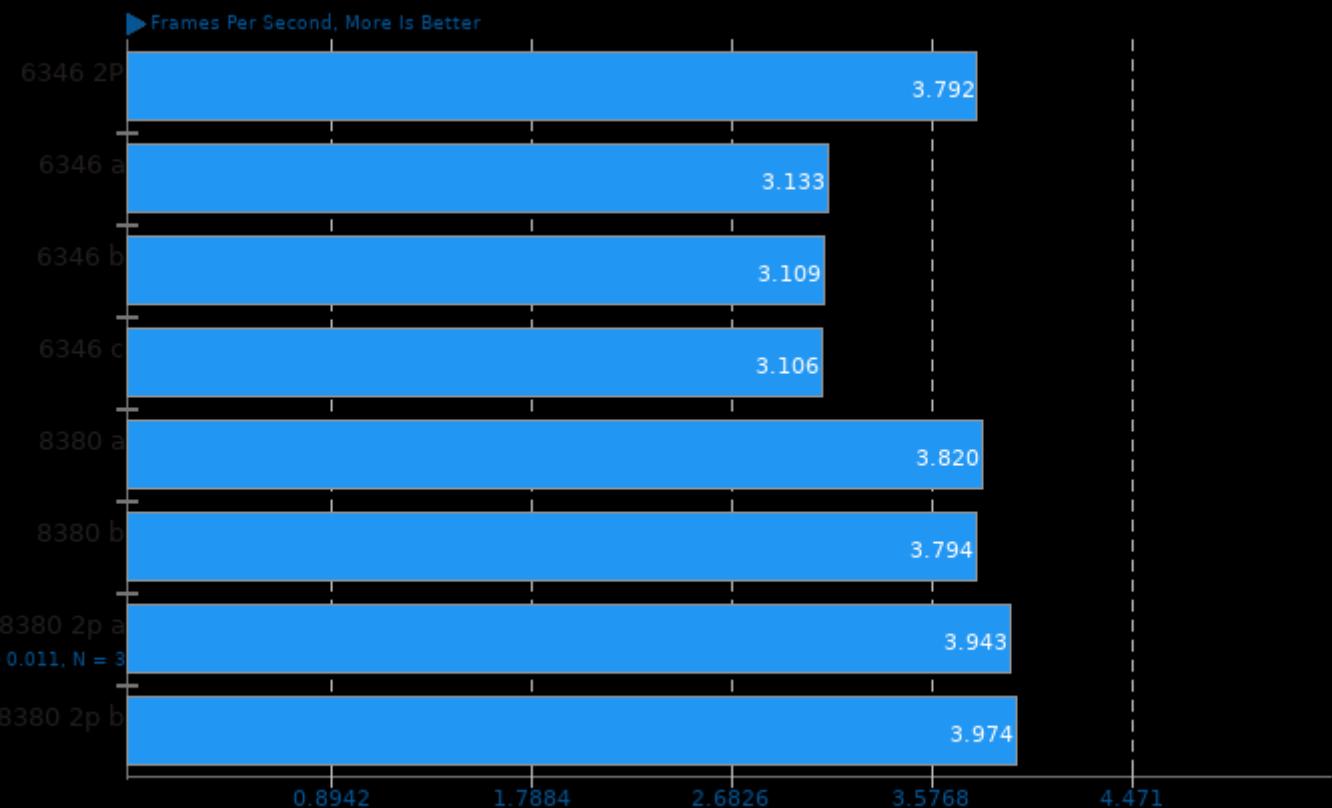
Encoder Mode: Preset 13 - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

SVT-AV1 1.4

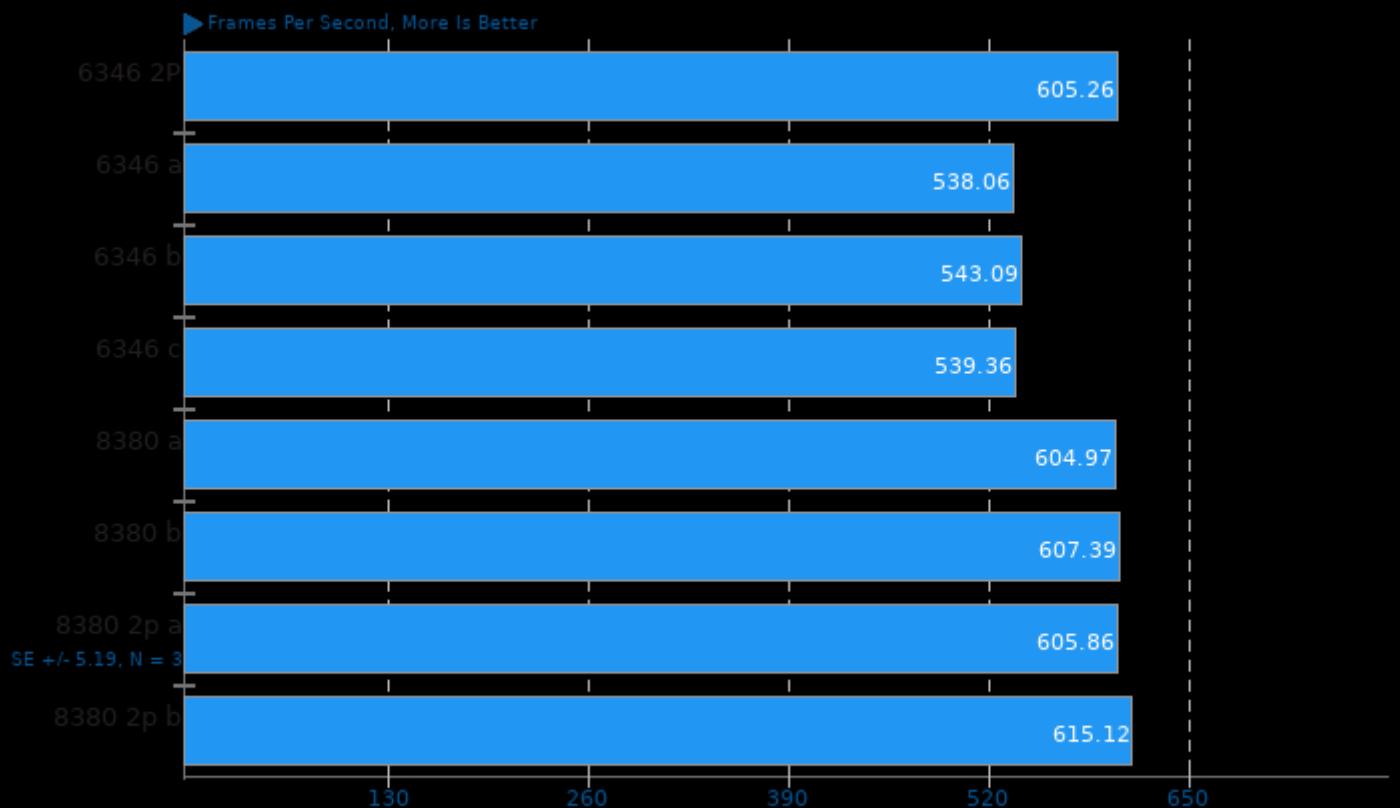
Encoder Mode: Preset 4 - Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

SVT-AV1 1.4

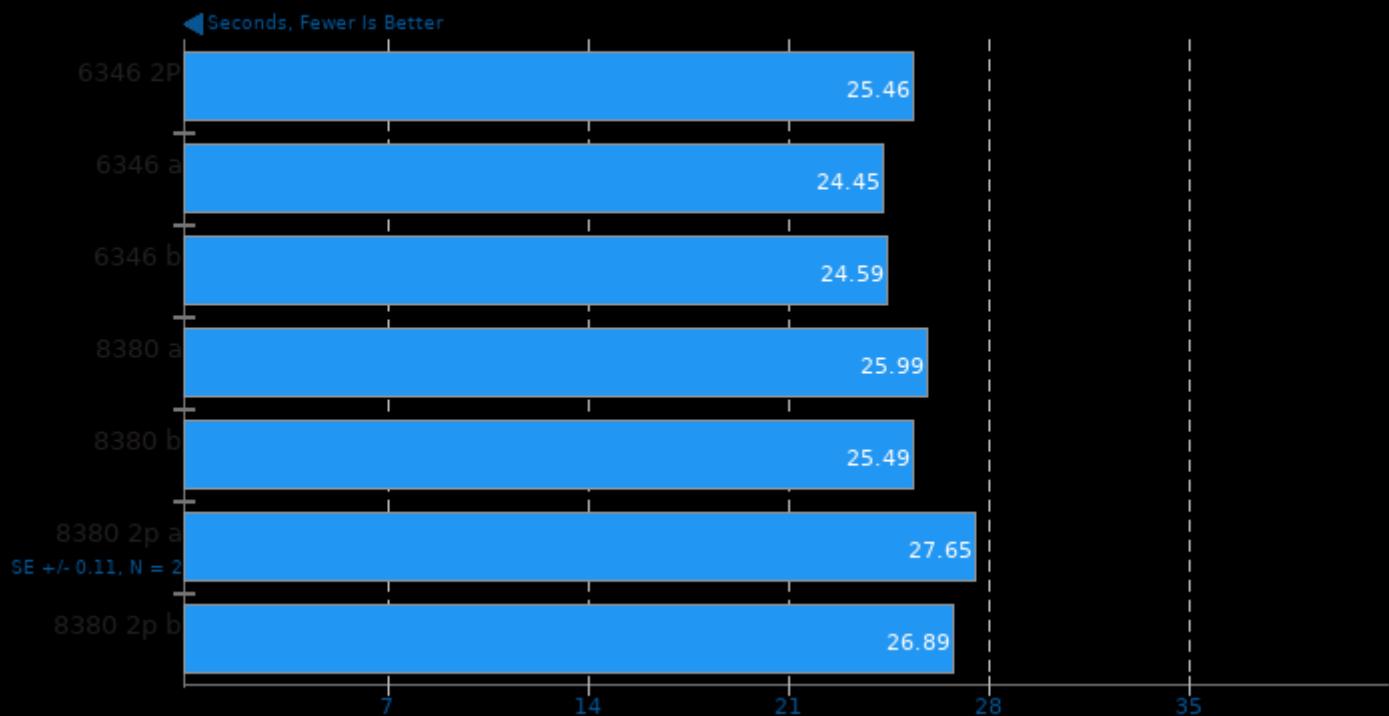
Encoder Mode: Preset 12 - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

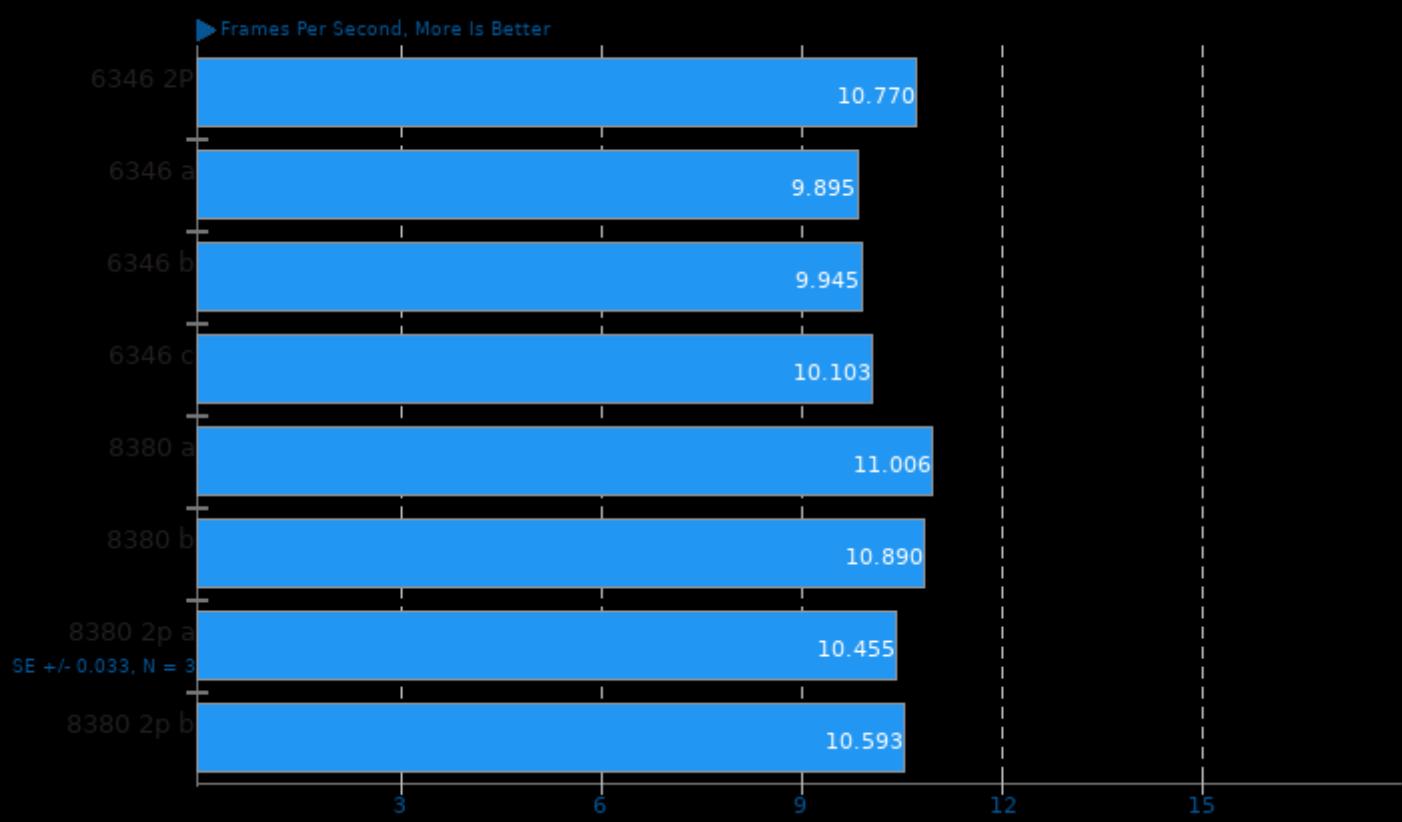
Scikit-Learn 1.1.3

Benchmark: TSNE MNIST Dataset



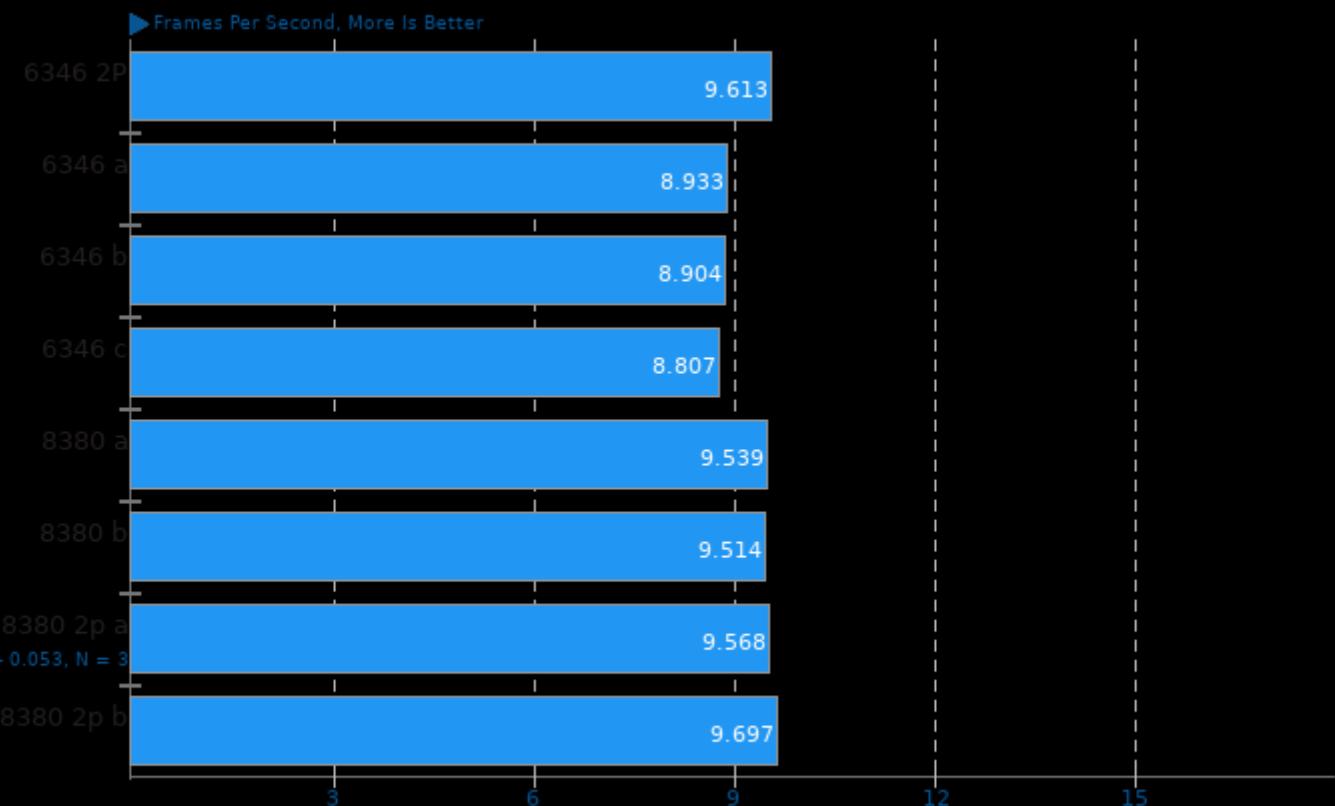
rav1e 0.6.1

Speed: 10



SVT-AV1 1.4

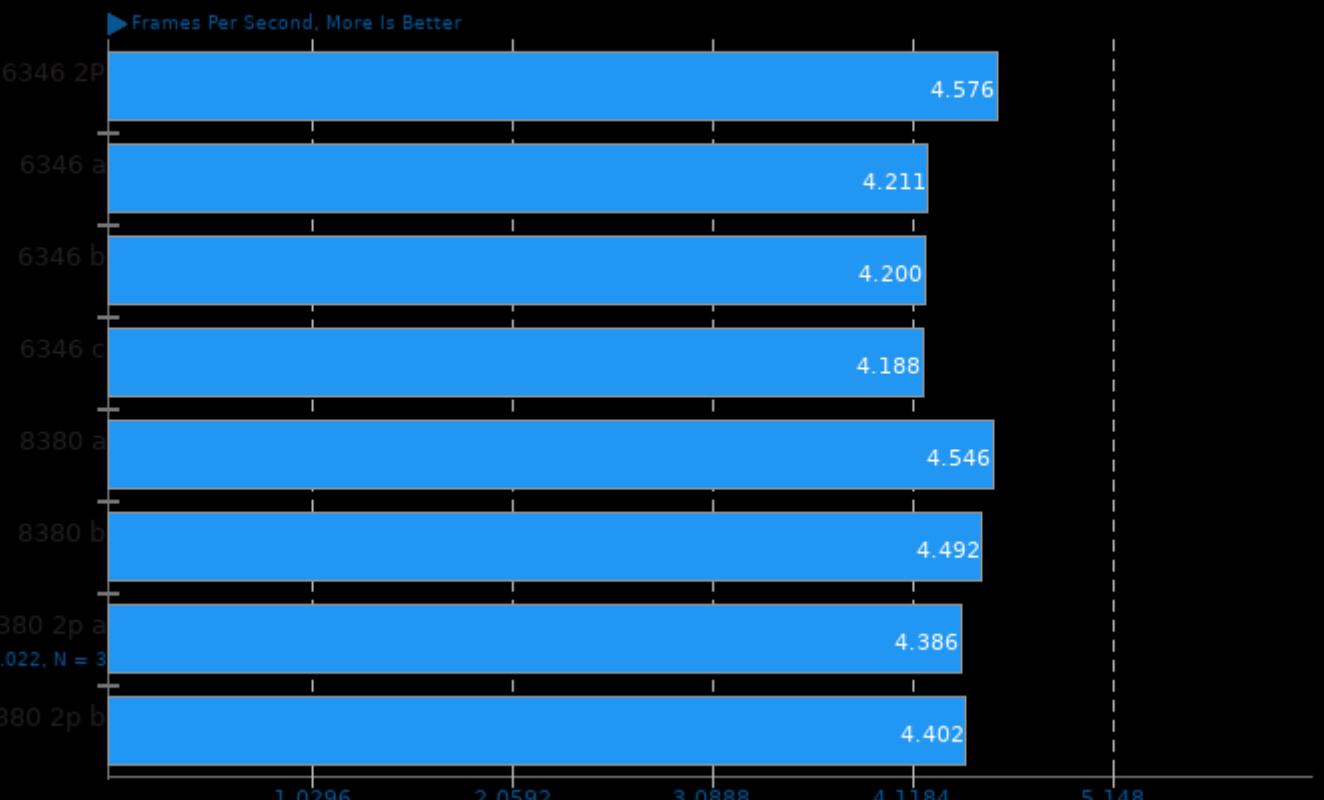
Encoder Mode: Preset 4 - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

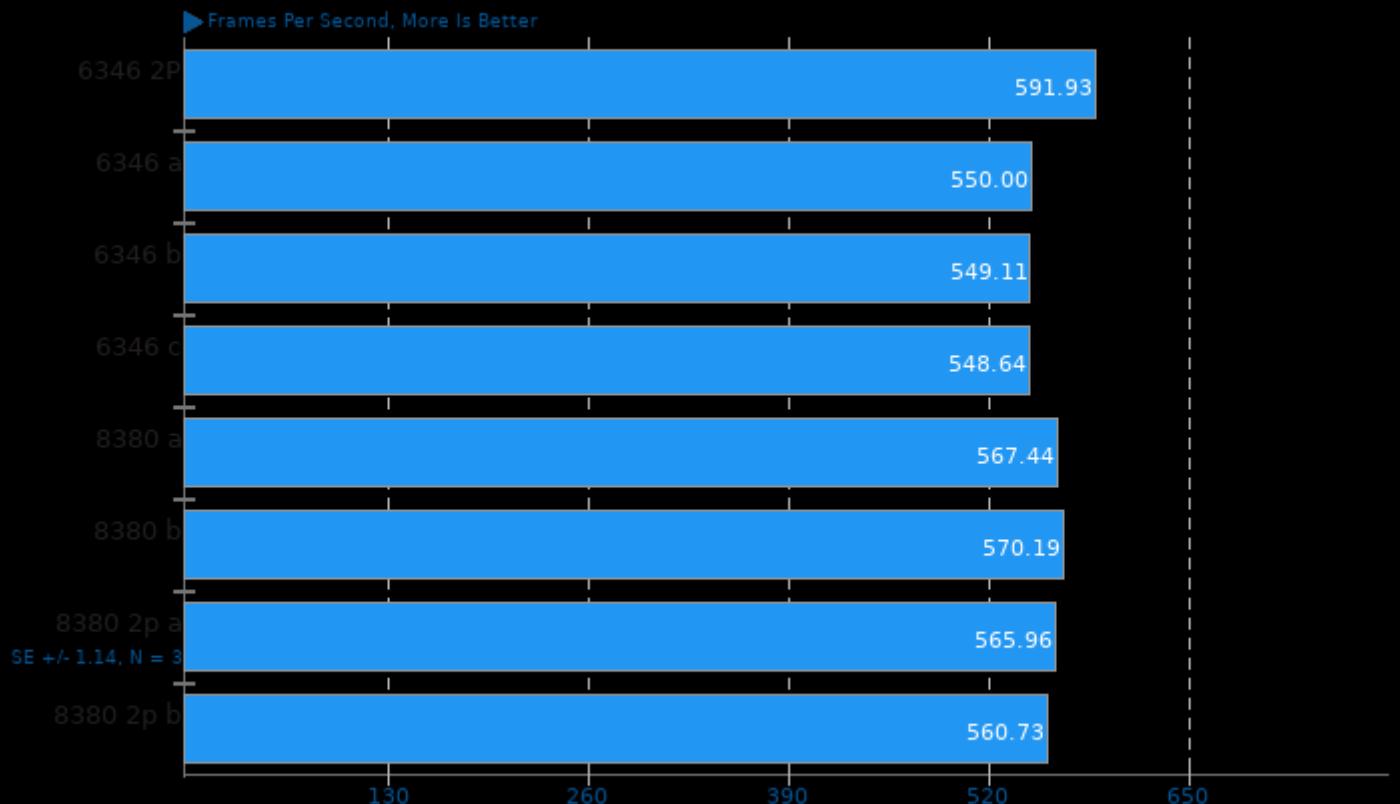
rav1e 0.6.1

Speed: 6



SVT-AV1 1.4

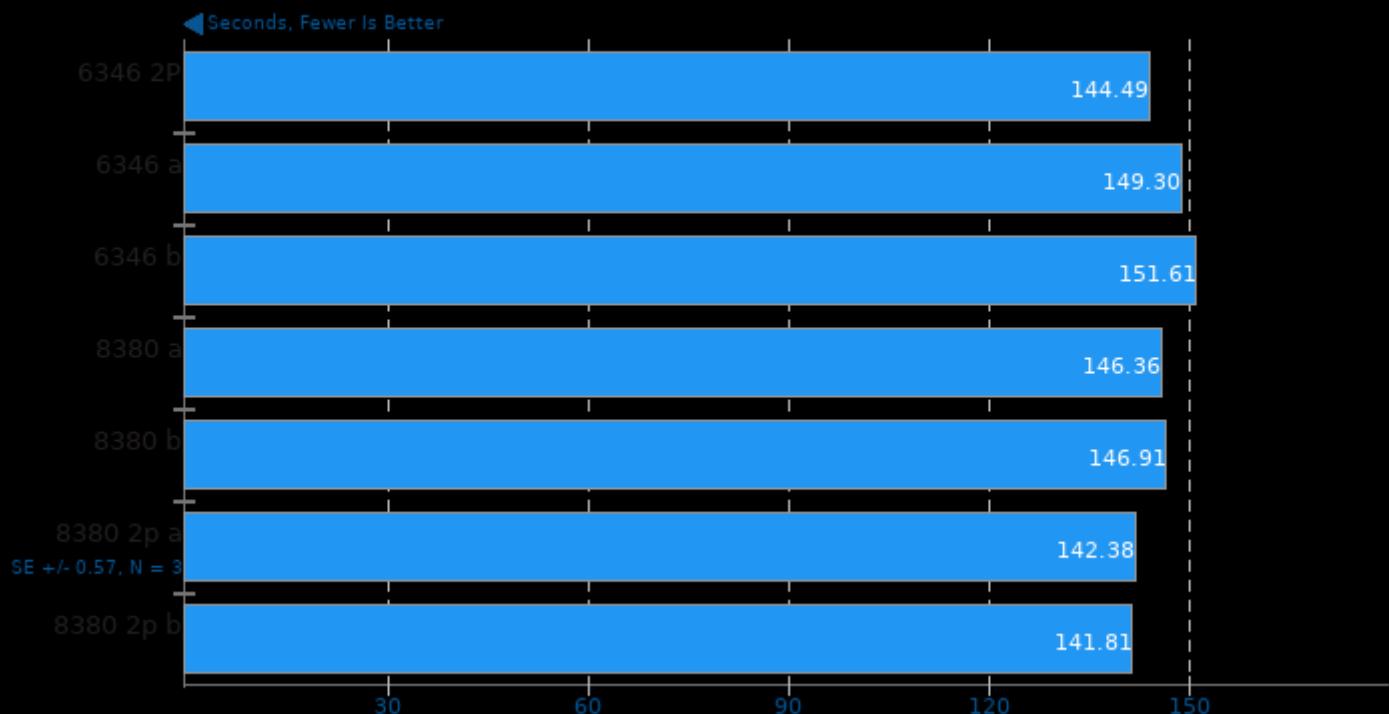
Encoder Mode: Preset 13 - Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -pipe -fexceptions -m64 -ffat-lto-objects -fno-trapping-math -mtune=skylake -mrelax-cmpxchg-loop -std=gnu++17 -march=native

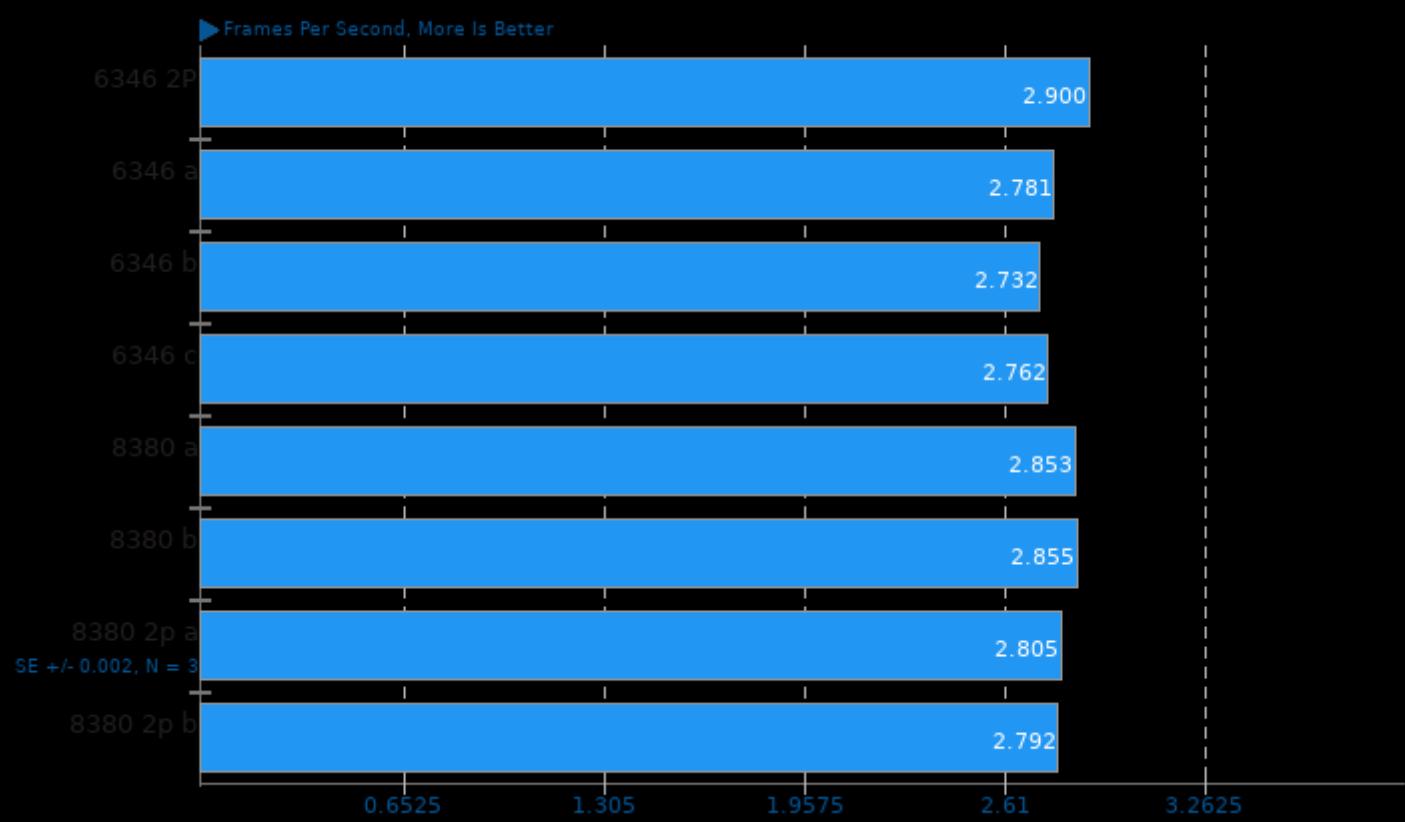
Scikit-Learn 1.1.3

Benchmark: Sparse Random Projections, 100 Iterations



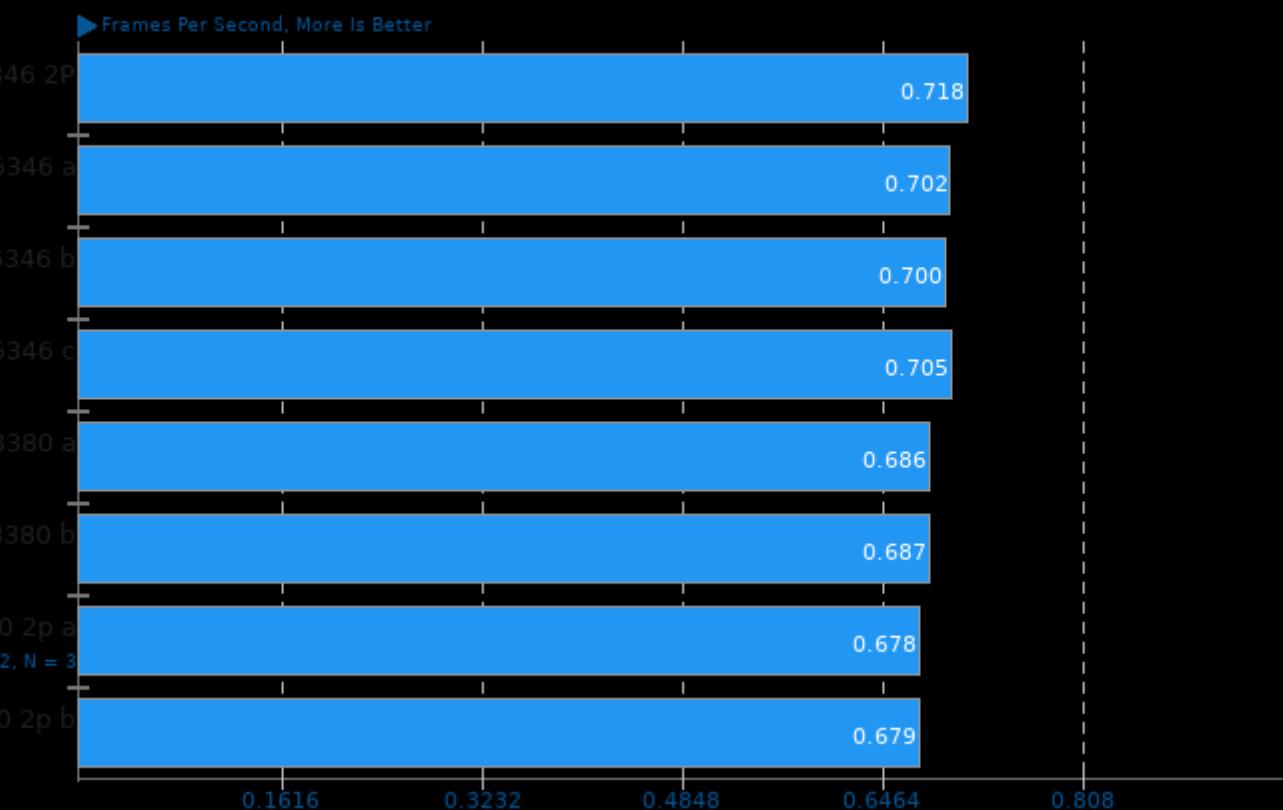
rav1e 0.6.1

Speed: 5

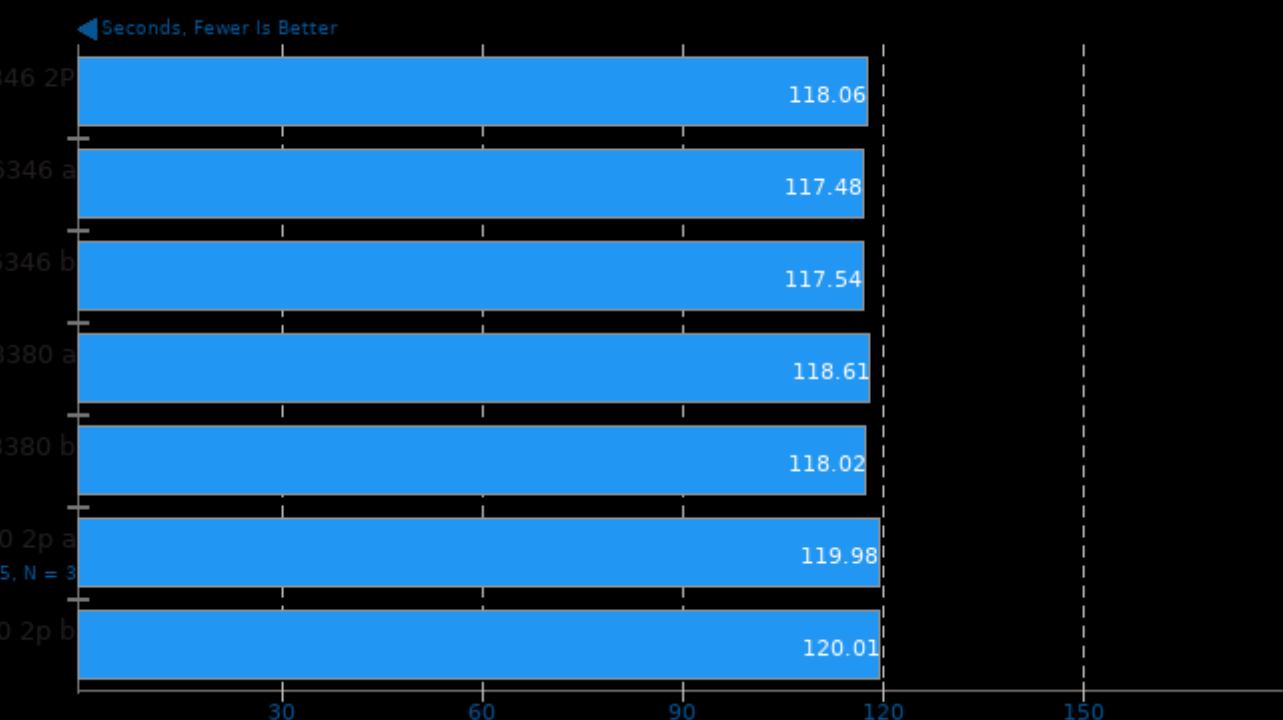


rav1e 0.6.1

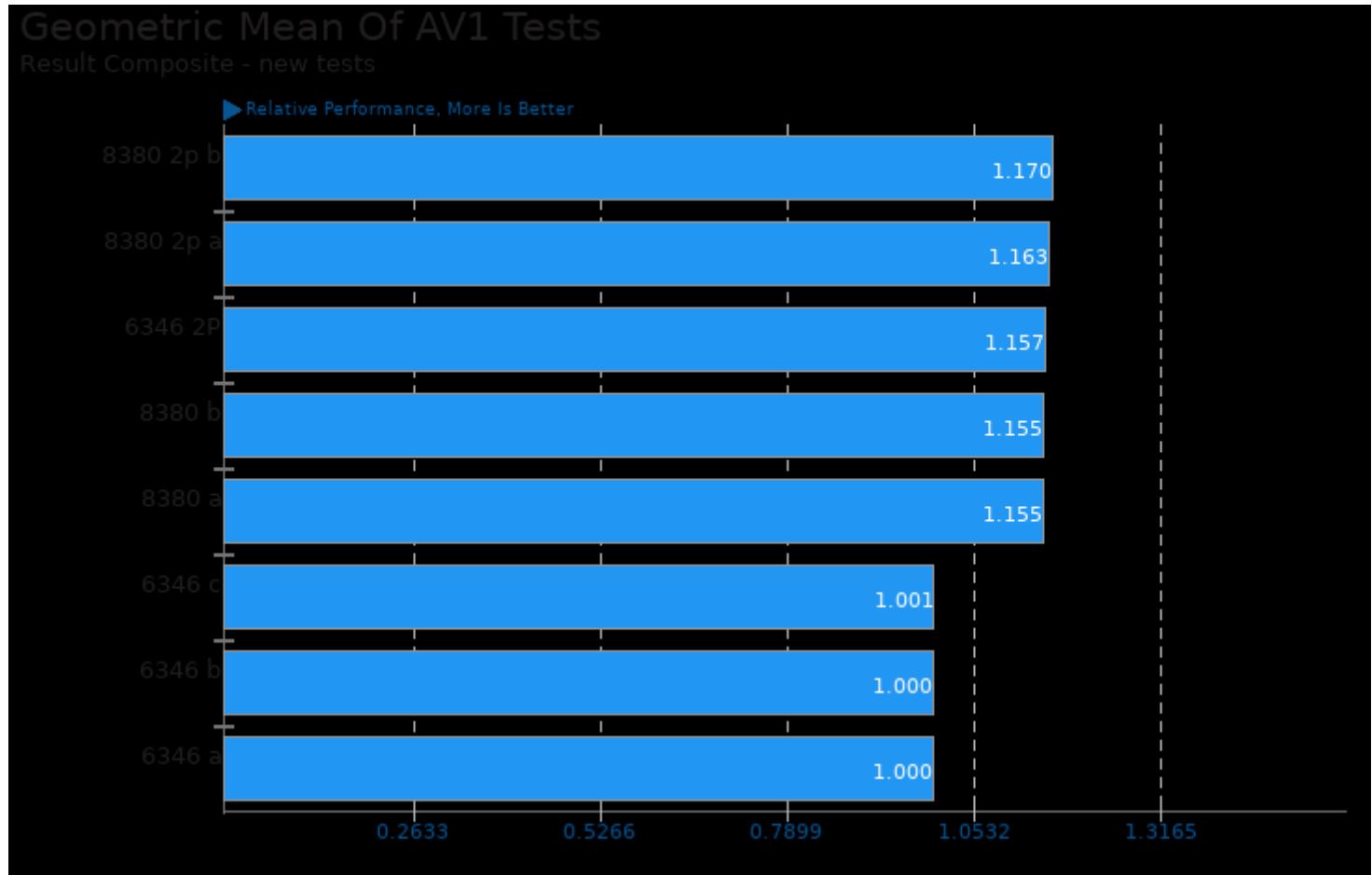
Speed: 1

**Scikit-Learn 1.1.3**

Benchmark: MNIST Dataset

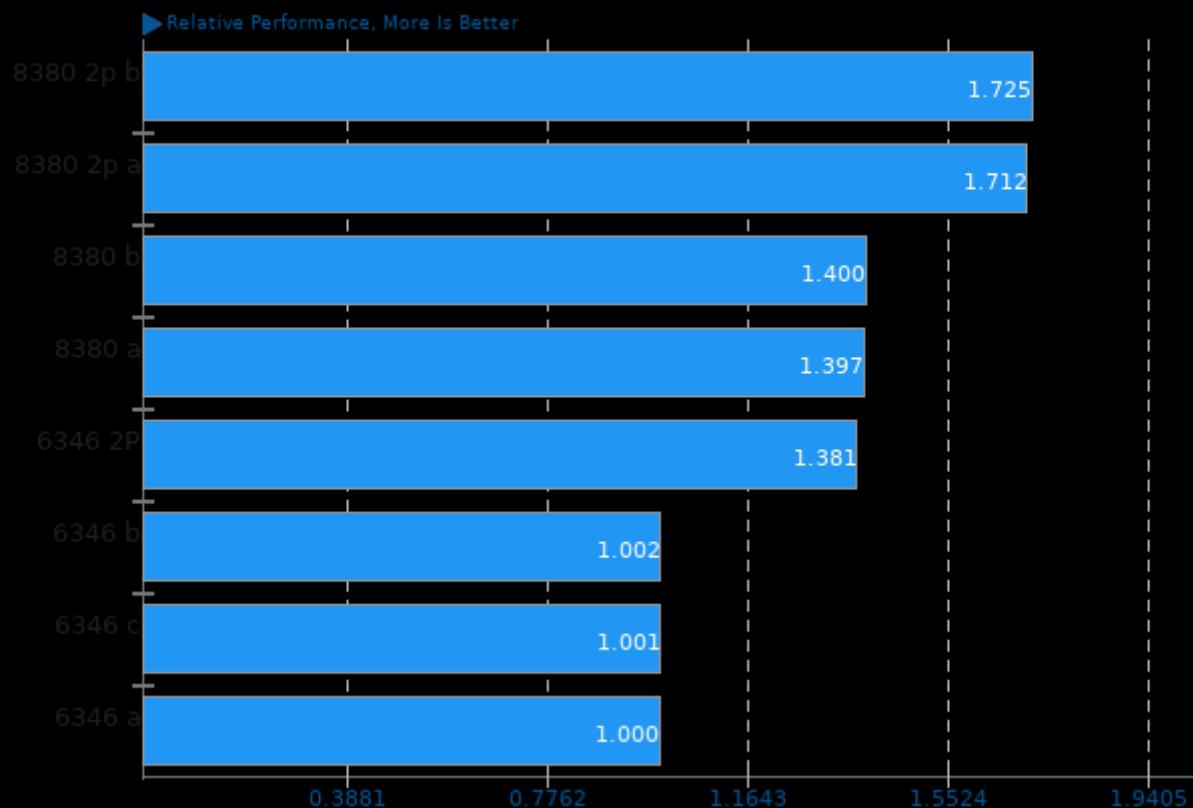


These geometric means are based upon test groupings / test suites for this result file.



Geometric Mean Of CPU Massive Tests

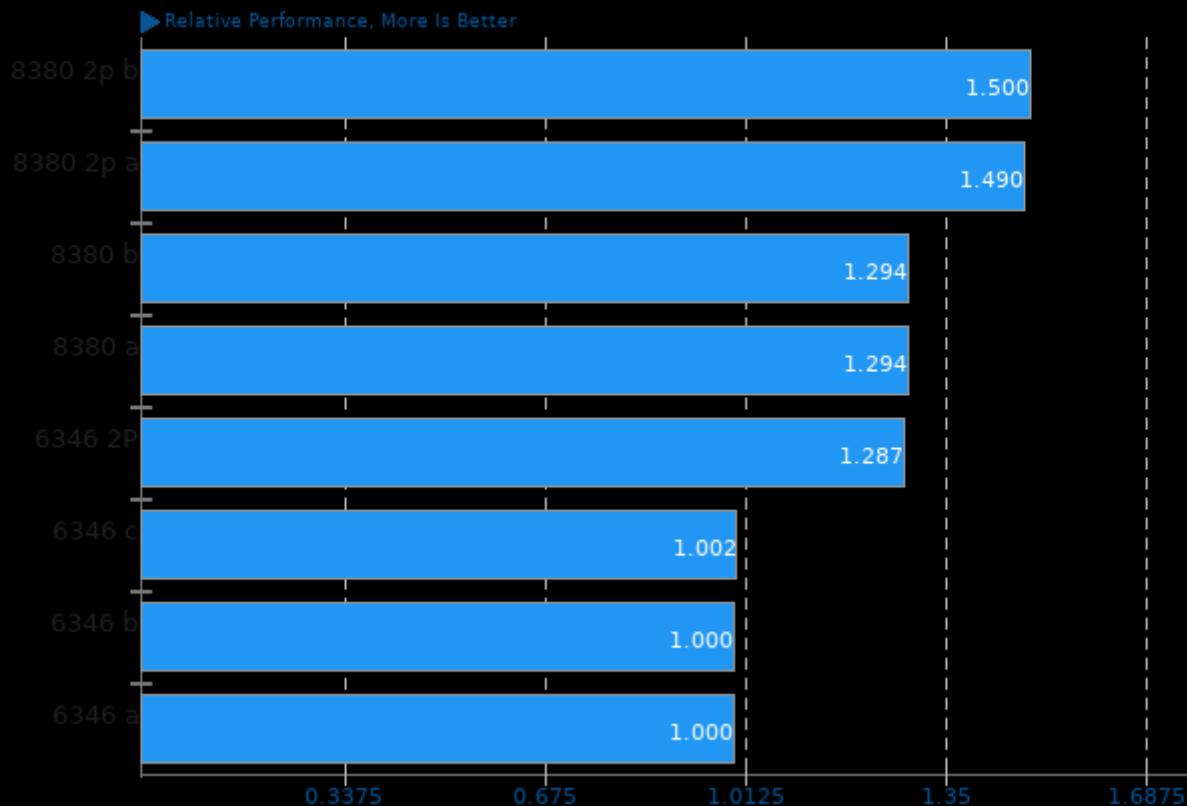
Result Composite - new tests



Geometric mean based upon tests: pts/svt-av1, pts/scikit-learn and pts/blender

Geometric Mean Of Creator Workloads Tests

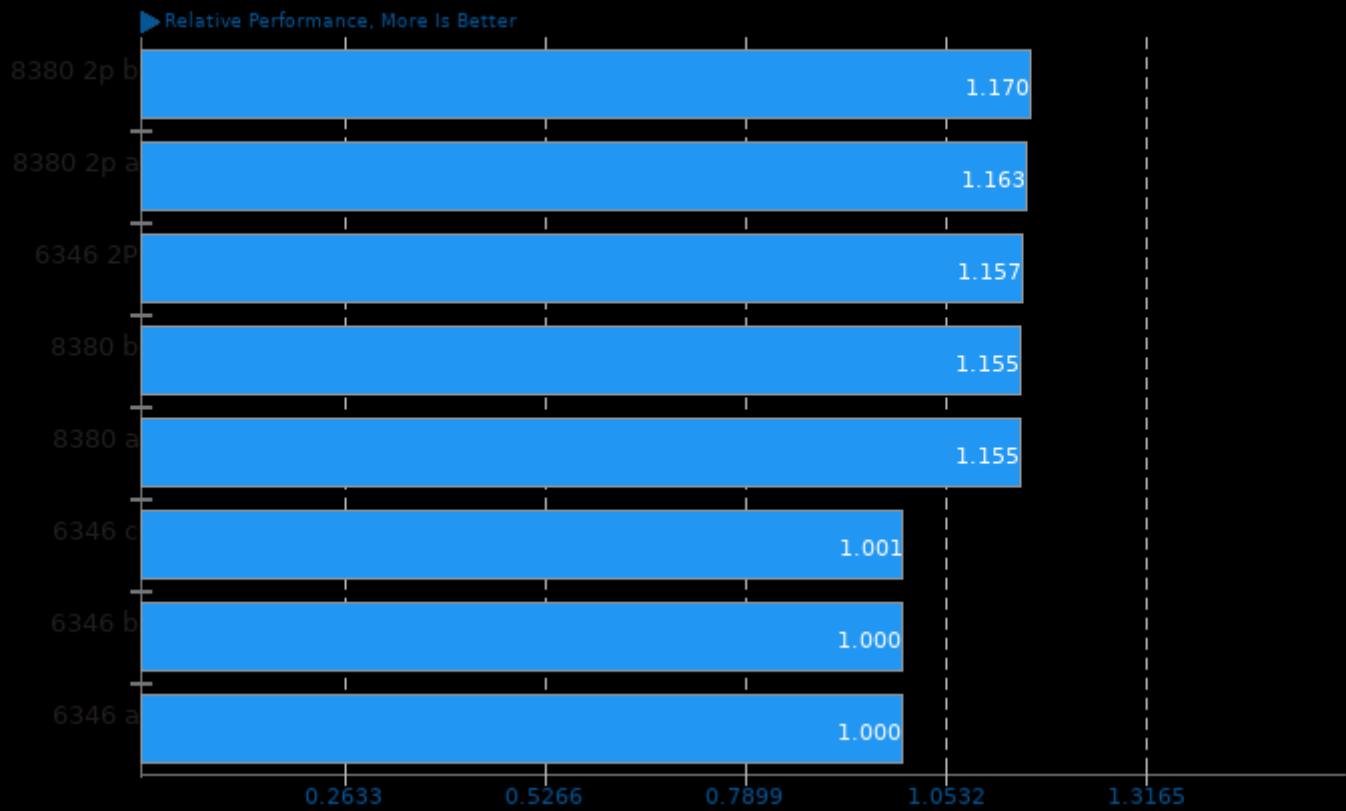
Result Composite - new tests



Geometric mean based upon tests: pts/blender, pts/svt-av1 and pts/rav1e

Geometric Mean Of Encoding Tests

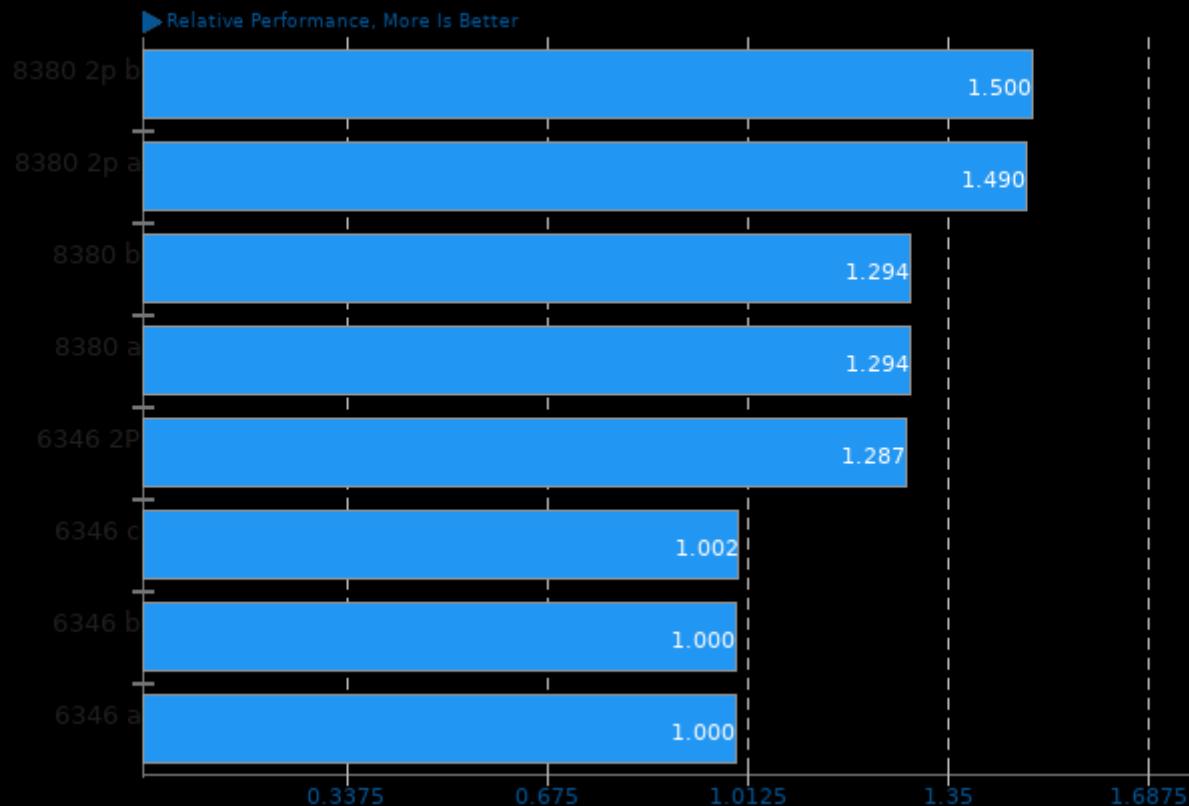
Result Composite - new tests



Geometric mean based upon tests: pts/svt-av1 and pts/rav1e

Geometric Mean Of Multi-Core Tests

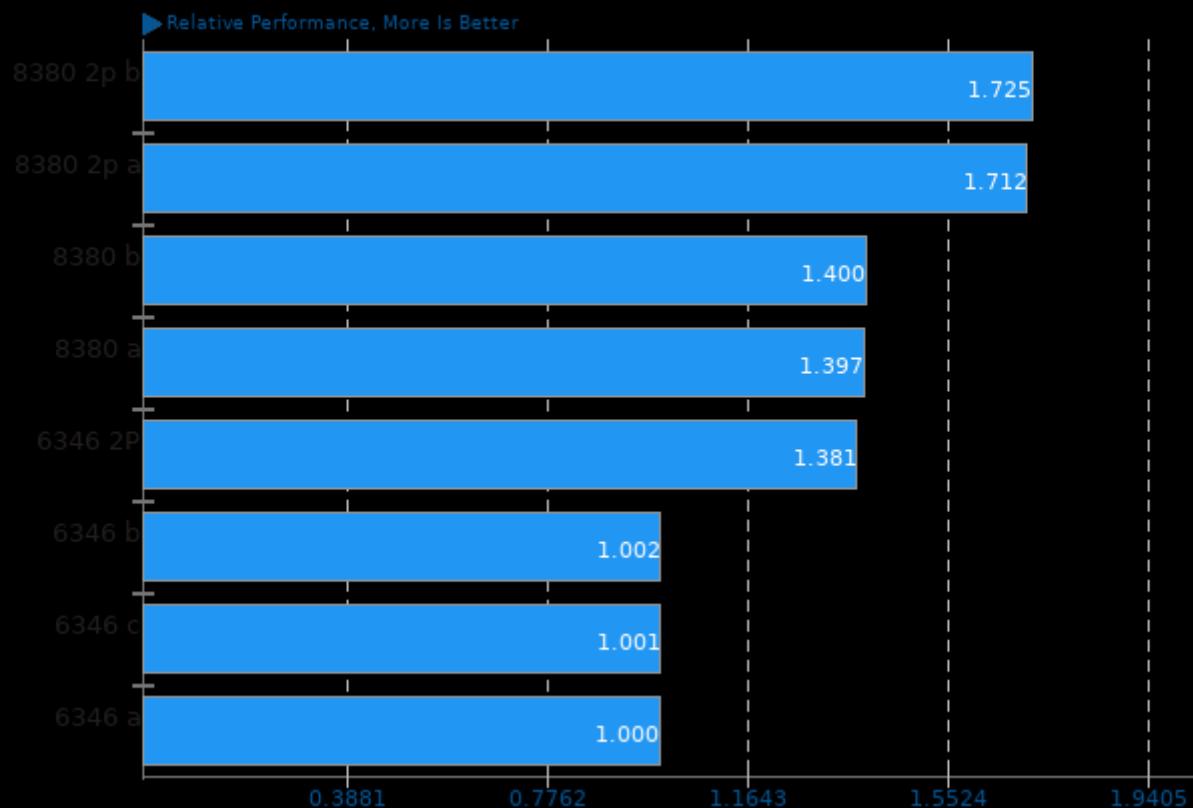
Result Composite - new tests



Geometric mean based upon tests: pts/blender, pts/svt-av1 and pts/rav1e

Geometric Mean Of Server CPU Tests

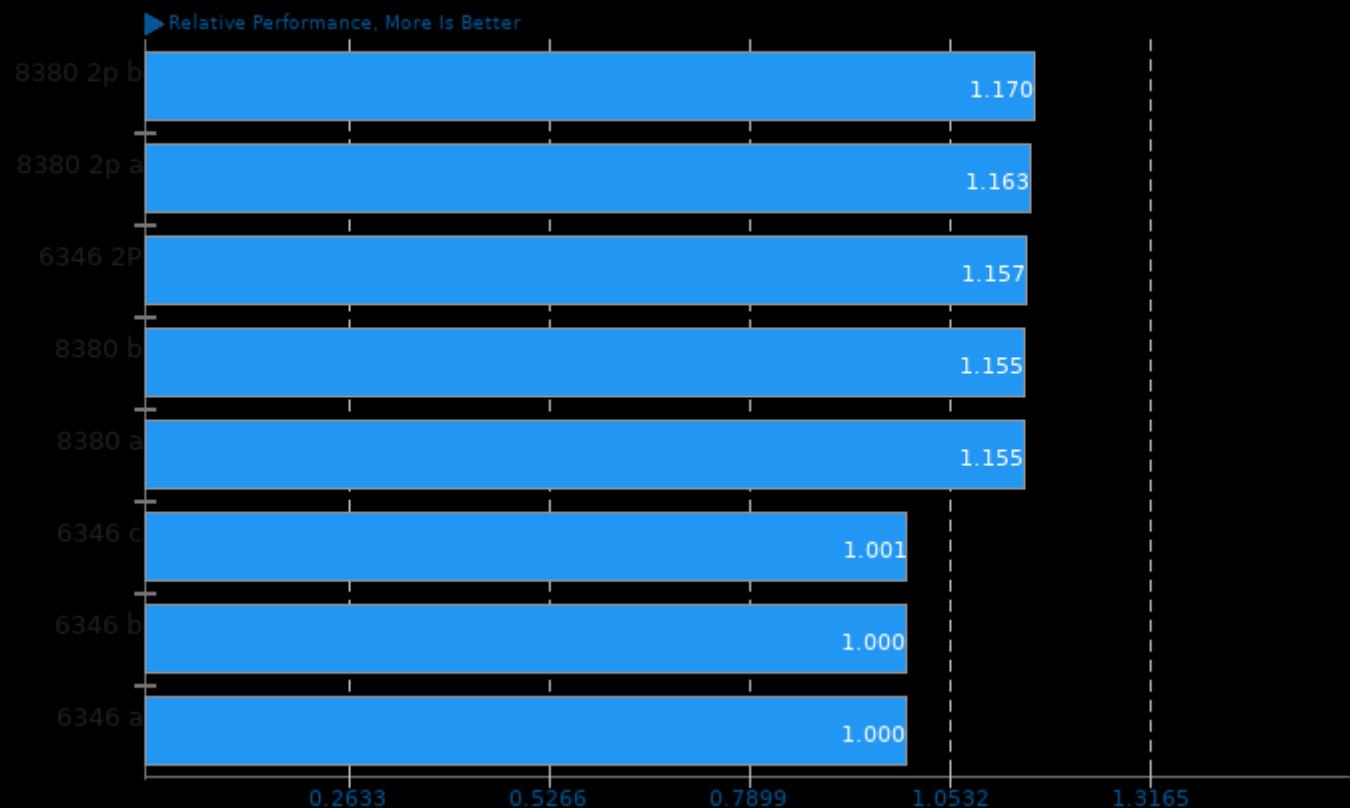
Result Composite - new tests



Geometric mean based upon tests: pts/svt-av1, pts/blender and pts/scikit-learn

Geometric Mean Of Video Encoding Tests

Result Composite - new tests



Geometric mean based upon tests: pts/svt-av1 and pts/rav1e

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 17:29.