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10980xe 2023

Intel Core i9-10980XE testing with a ASRock X299 Steel Legend (P1.30 BIOS) and llvmpipe on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

Intel Core i9-10980XE had the most wins, coming in first place for 57% of the tests.

Based on the geometric mean of all complete results, the fastest (Intel Core i9-10980XE) was 1.003x the speed of the slowest (b).

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

PostgreSQL (Scaling Factor: 1 - Clients: 500 - Mode: Read Write) at 1.187x
PostgreSQL (Scaling Factor: 1 - Clients: 500 - Mode: Read Write - Average Latency) at 1.185x
PostgreSQL (Scaling Factor: 1 - Clients: 800 - Mode: Read Only) at 1.129x
PostgreSQL (Scaling Factor: 1 - Clients: 800 - Mode: Read Only - Average Latency) at 1.129x
PostgreSQL (Scaling Factor: 1 - Clients: 800 - Mode: Read Write) at 1.102x
PostgreSQL (Scaling Factor: 1 - Clients: 800 - Mode: Read Write - Average Latency) at 1.1x
PostgreSQL (Scaling Factor: 1 - Clients: 1000 - Mode: Read Write - Average Latency) at 1.061x
PostgreSQL (Scaling Factor: 100 - Clients: 250 - Mode: Read Write) at 1.06x
PostgreSQL (Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency) at 1.06x

PostgreSQL (Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency) at 1.059x.

Test Systems:

Intel Core i9-10980XE

b

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

OS: Ubuntu 22.04, Kernel: 5.19.0-051900rc7-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server 1.21.1.3, OpenGL: 4.5 Mesa 22.0.1 (LLVM 13.0.1 256 bits), Vulkan: 1.2.204, Compiler: GCC 11.3.0, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-serialization=2 --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-11-xKiWfi/gcc-11-11.3.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-11-xKiWfi/gcc-11-11.3.0/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-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_cpufreq schedutil - CPU Microcode: 0x5003302
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Mitigation of Clear buffers; SMT vulnerable + retbleed: Mitigation of Enhanced IBRS + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Mitigation of TSX disabled

	Intel Core i9-10980XE	b
PostgreSQL - 1 - 500 - Read Write (TPS)	**305**	**362**
Normalized	84.25%	100%
PostgreSQL - 1 - 500 - Read Write - Average Latency (ms)	**1637**	**1381**
Normalized	84.37%	100%
PostgreSQL - 1 - 800 - Read Only (TPS)	**894934**	**1010545**
Normalized	88.56%	100%
PostgreSQL - 1 - 800 - Read Only - Average Latency	**0.894**	**0.792**
Normalized	88.59%	100%
PostgreSQL - 1 - 800 - Read Write (TPS)	**302**	**274**
Normalized	100%	90.73%
PostgreSQL - 1 - 800 - Read Write - Average Latency (ms)	**2652**	**2917**
Normalized	100%	90.92%

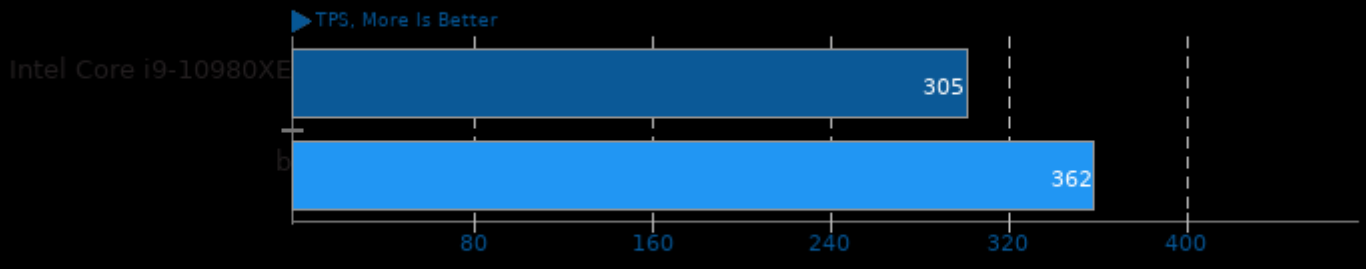
PostgreSQL - 1 - 1000 - Read Write - Average Latency (ms)	3917	4157
Normalized	100%	94.21%
PostgreSQL - 100 - 250 - Read Write (TPS)	13868	13080
Normalized	100%	94.32%
PostgreSQL - 100 - 250 - Read Write - Average Latency (ms)	18.027	19.113
Normalized	100%	94.32%
PostgreSQL - 100 - 500 - Read Write - Average Latency (ms)	33.157	35.121
Normalized	100%	94.41%
PostgreSQL - 100 - 500 - Read Write (TPS)	15080	14237
Normalized	100%	94.41%
PostgreSQL - 1 - 1000 - Read Write (TPS)	255	241
Normalized	100%	94.51%
PostgreSQL - 100 - 100 - Read Write (TPS)	10951	10390
Normalized	100%	94.88%
PostgreSQL - 100 - 100 - Read Write - Average Latency (ms)	9.132	9.625
Normalized	100%	94.88%
PostgreSQL - 100 - 500 - Read Only (TPS)	921933	961018
Normalized	95.93%	100%
PostgreSQL - 100 - 500 - Read Only - Average Latency (ms)	0.542	0.52
Normalized	95.94%	100%
PostgreSQL - 1 - 500 - Read Only - Average Latency	0.5	0.481
Normalized	96.2%	100%
PostgreSQL - 1 - 500 - Read Only (TPS)	1000229	1039024
Normalized	96.27%	100%
PostgreSQL - 100 - 50 - Read Write (TPS)	8015	7720
Normalized	100%	96.32%
PostgreSQL - 100 - 800 - Read Write - Average Latency (ms)	53.017	55.035
Normalized	100%	96.33%
PostgreSQL - 100 - 800 - Read Write (TPS)	15089	14536
Normalized	100%	96.34%
PostgreSQL - 100 - 50 - Read Write - Average Latency (ms)	6.239	6.476
Normalized	100%	96.34%
PostgreSQL - 1 - 50 - Read Write - Average Latency	88.756	91.775
Normalized	100%	96.71%
PostgreSQL - 1 - 50 - Read Write (TPS)	563	545
Normalized	100%	96.8%
uvg266 - Bosphorus 1080p - Very Fast (FPS)	47.48	46.15
Normalized	100%	97.2%
Kvazaar - Bosphorus 1080p - Super Fast (FPS)	52.46	51.13
Normalized	100%	97.46%
Kvazaar - Bosphorus 4K - Very Fast (FPS)	19.27	18.84
Normalized	100%	97.77%
PostgreSQL - 1 - 1000 - Read Only (TPS)	917640	897694
Normalized	100%	97.83%

PostgreSQL - 1 - 1000 - Read Only - Average Latency (ms)	1.09	1.114
Normalized	100%	97.85%
Kvazaar - Bosphorus 1080p - Very Fast (FPS)	38.07	37.41
Normalized	100%	98.27%
PostgreSQL - 1 - 100 - Read Write - Average Latency (ms)	185.018	188.246
Normalized	100%	98.29%
PostgreSQL - 100 - 1000 - Read Only (TPS)	781589	795146
Normalized	98.3%	100%
PostgreSQL - 1 - 100 - Read Write (TPS)	540	531
Normalized	100%	98.33%
PostgreSQL - 100 - 1000 - Read Only - Average Latency (ms)	1.279	1.258
Normalized	98.36%	100%
Kvazaar - Bosphorus 4K - Slow (FPS)	9.61	9.48
Normalized	100%	98.65%
PostgreSQL - 100 - 100 - Read Only (TPS)	1026245	1037053
Normalized	98.96%	100%
Kvazaar - Bosphorus 1080p - Medium (FPS)	20.16	19.95
Normalized	100%	98.96%
PostgreSQL - 100 - 100 - Read Only - Average Latency (ms)	0.097	0.096
Normalized	98.97%	100%
Kvazaar - Bosphorus 1080p - Ultra Fast (FPS)	65.28	64.61
Normalized	100%	98.97%
Kvazaar - Bosphorus 1080p - Slow (FPS)	19.06	19.24
Normalized	99.06%	100%
Kvazaar - Bosphorus 4K - Super Fast (FPS)	29.46	29.19
Normalized	100%	99.08%
PostgreSQL - 1 - 250 - Read Only (TPS)	1109000	1117874
Normalized	99.21%	100%
PostgreSQL - 100 - 1000 - Read Write (TPS)	14955	15065
Normalized	99.27%	100%
PostgreSQL - 100 - 1000 - Read Write - Average Latency (ms)	66.868	66.38
Normalized	99.27%	100%
Kvazaar - Bosphorus 4K - Medium (FPS)	9.87	9.8
Normalized	100%	99.29%
uvg266 - Bosphorus 1080p - Super Fast (FPS)	60.4	60.83
Normalized	99.29%	100%
PostgreSQL - 100 - 800 - Read Only (TPS)	881296	887270
Normalized	99.33%	100%
PostgreSQL - 100 - 800 - Read Only - Average Latency (ms)	0.908	0.902
Normalized	99.34%	100%
PostgreSQL - 100 - 250 - Read Only (TPS)	1011476	1017651
Normalized	99.39%	100%
uvg266 - Bosphorus 1080p - Ultra Fast (FPS)	54.05	53.77
Normalized	100%	99.48%
PostgreSQL - 1 - 250 - Read Write (TPS)	436	434
Normalized	100%	99.54%

PostgreSQL - 1 - 250 - Read Write - Average Latency (ms)	572.956	575.526
Normalized	100%	99.55%
PostgreSQL - 1 - 250 - Read Only - Average Latency	0.225	0.224
Normalized	99.56%	100%
uvg266 - Bosphorus 4K - Slow (FPS)	7.28	7.31
Normalized	99.59%	100%
uvg266 - Bosphorus 4K - Ultra Fast (FPS)	29.17	29.29
Normalized	99.59%	100%
uvg266 - Bosphorus 4K - Very Fast (FPS)	21.93	22.02
Normalized	99.59%	100%
PostgreSQL - 100 - 250 - Read Only - Average Latency (ms)	0.247	0.246
Normalized	99.6%	100%
uvg266 - Bosphorus 4K - Medium (FPS)	8.14	8.17
Normalized	99.63%	100%
PostgreSQL - 100 - 50 - Read Only (TPS)	611565	609602
Normalized	100%	99.68%
Kvazaar - Bosphorus 4K - Ultra Fast (FPS)	35.77	35.85
Normalized	99.78%	100%
BRL-CAD - V.P.M (VGR Performance Metric)	214293	214751
Normalized	99.79%	100%
uvg266 - Bosphorus 1080p - Medium (FPS)	19.57	19.61
Normalized	99.8%	100%
PostgreSQL - 1 - 50 - Read Only (TPS)	659416	658686
Normalized	100%	99.89%
uvg266 - Bosphorus 1080p - Slow (FPS)	18.07	18.05
Normalized	100%	99.89%
uvg266 - Bosphorus 4K - Super Fast (FPS)	24.88	24.86
Normalized	100%	99.92%
PostgreSQL - 1 - 100 - Read Only (TPS)	1140359	1140069
Normalized	100%	99.97%
PostgreSQL - 100 - 50 - Read Only - Average Latency (ms)	0.082	0.082
PostgreSQL - 1 - 100 - Read Only - Average Latency	0.088	0.088
PostgreSQL - 1 - 50 - Read Only - Average Latency (ms)	0.076	0.076

PostgreSQL 15

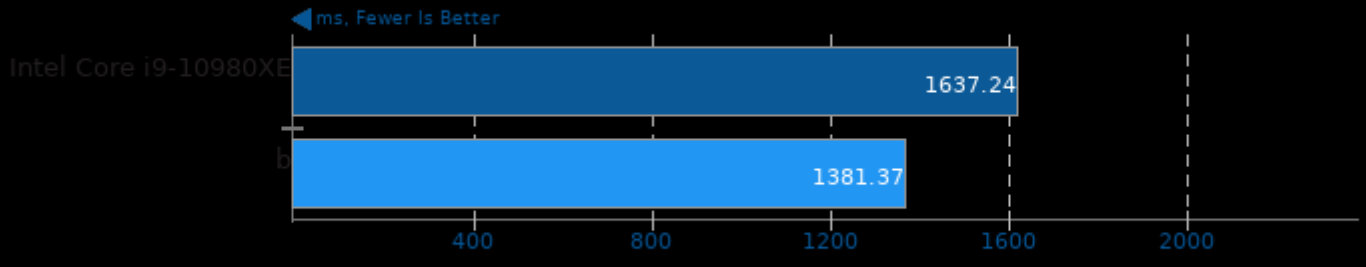
Scaling Factor: 1 - Clients: 500 - Mode: Read Write



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

PostgreSQL 15

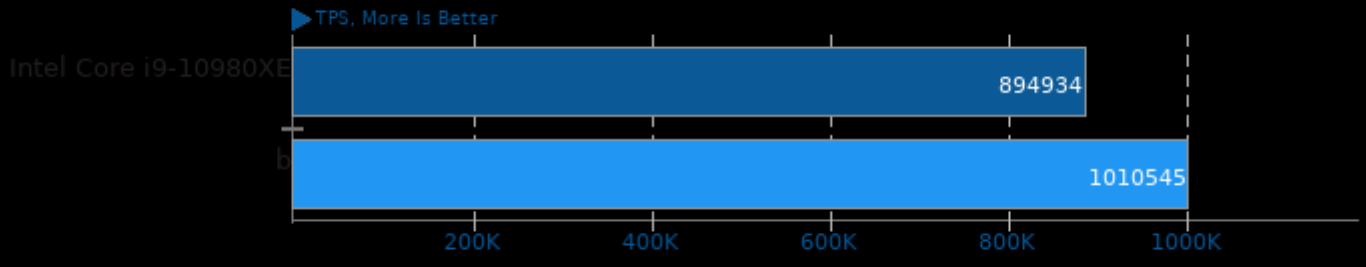
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PostgreSQL 15

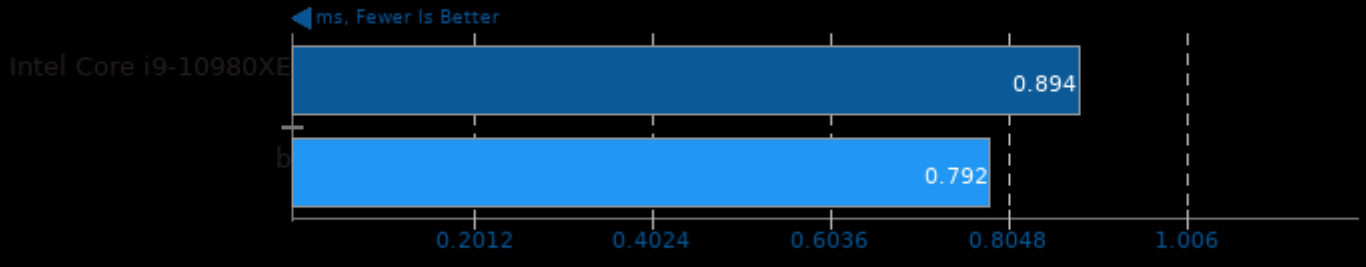
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1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

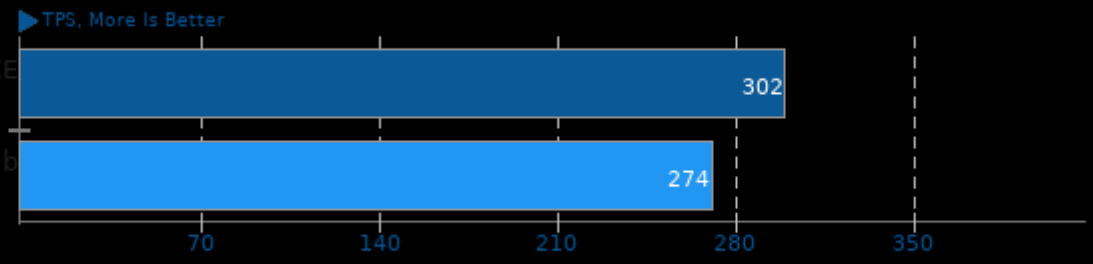
Scaling Factor: 1 - Clients: 800 - Mode: Read Only - Average Latency



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

PostgreSQL 15

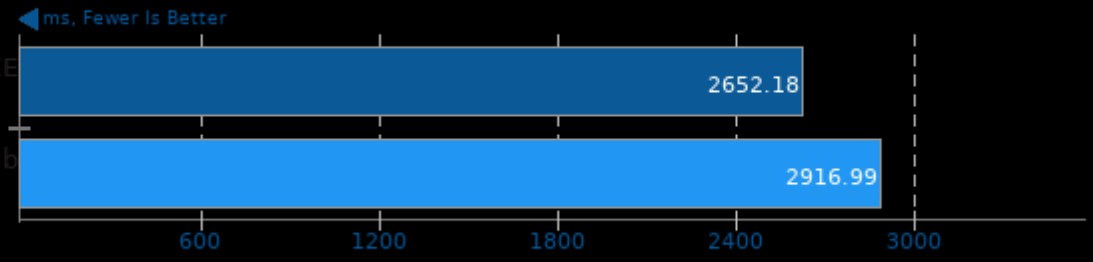
Scaling Factor: 1 - Clients: 800 - Mode: Read Write



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

PostgreSQL 15

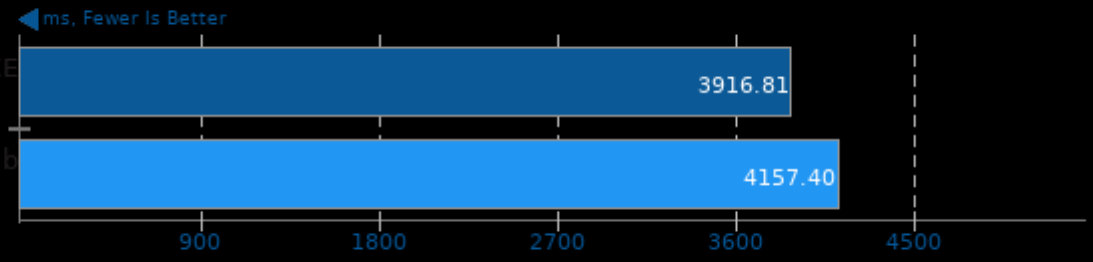
Scaling Factor: 1 - Clients: 800 - Mode: Read Write - Average Latency



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

PostgreSQL 15

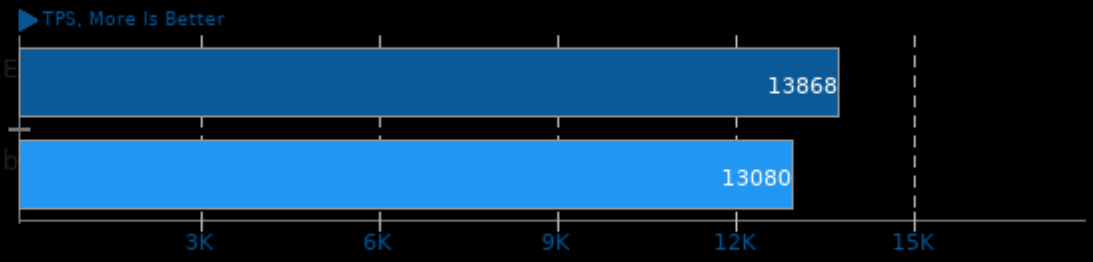
Scaling Factor: 1 - Clients: 1000 - Mode: Read Write - Average Latency



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

PostgreSQL 15

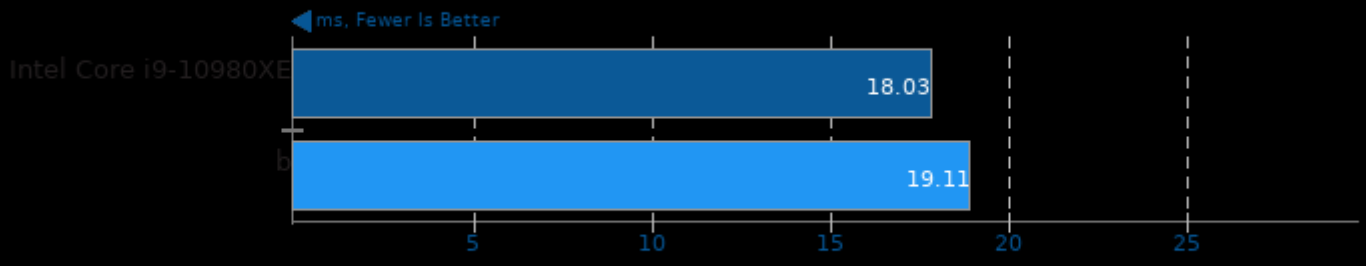
Scaling Factor: 100 - Clients: 250 - Mode: Read Write



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

PostgreSQL 15

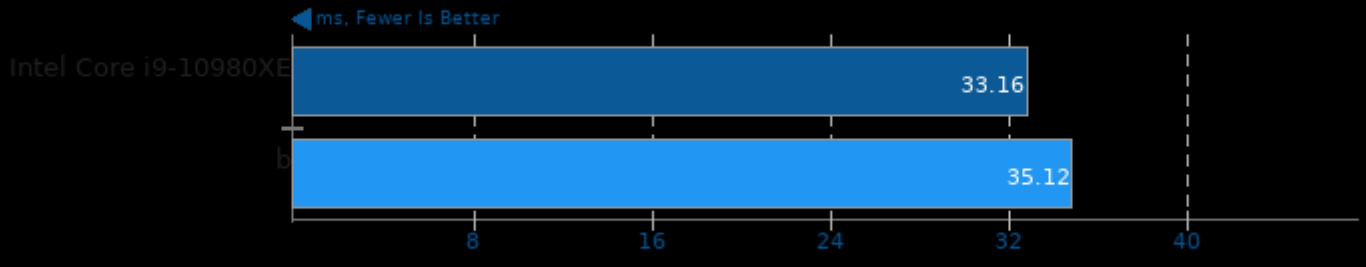
Scaling Factor: 100 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL 15

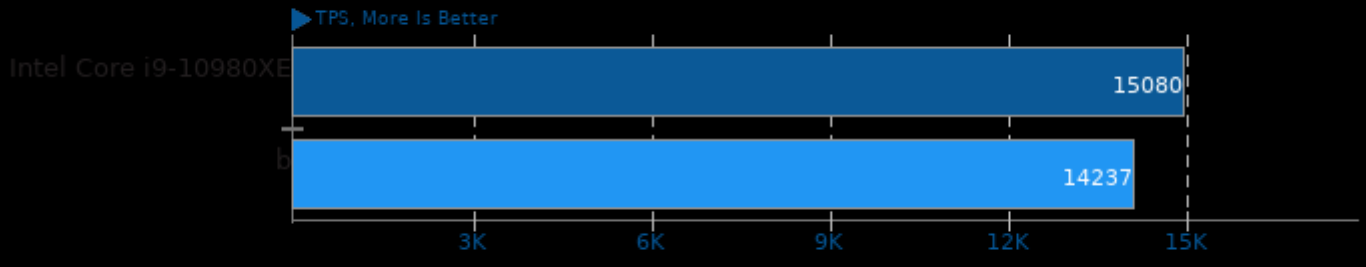
Scaling Factor: 100 - Clients: 500 - Mode: Read Write - Average Latency



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

PostgreSQL 15

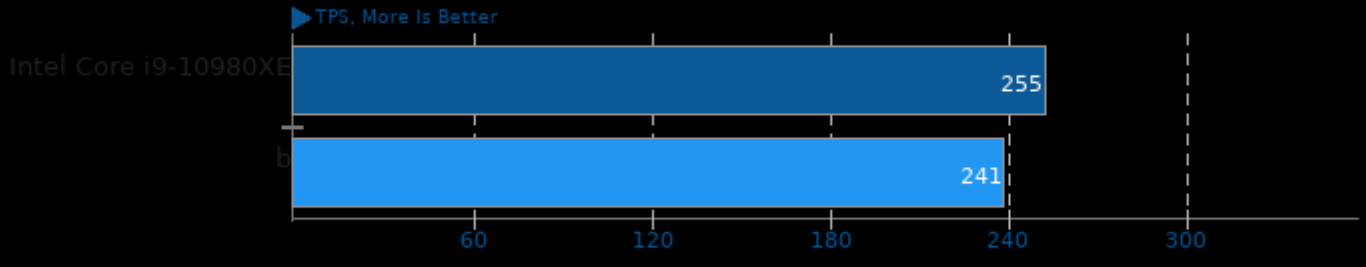
Scaling Factor: 100 - Clients: 500 - Mode: Read Write



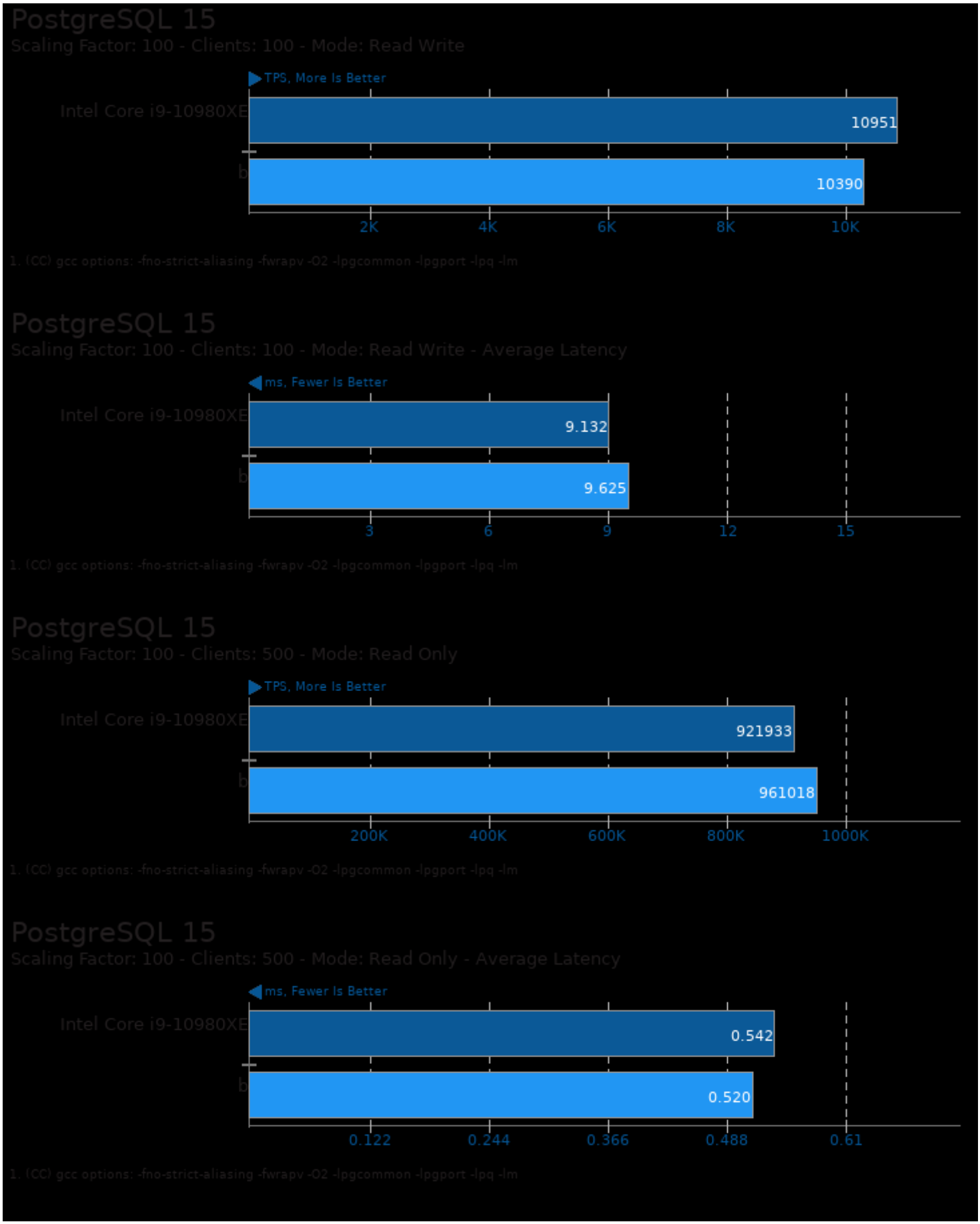
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

Scaling Factor: 1 - Clients: 1000 - Mode: Read Write

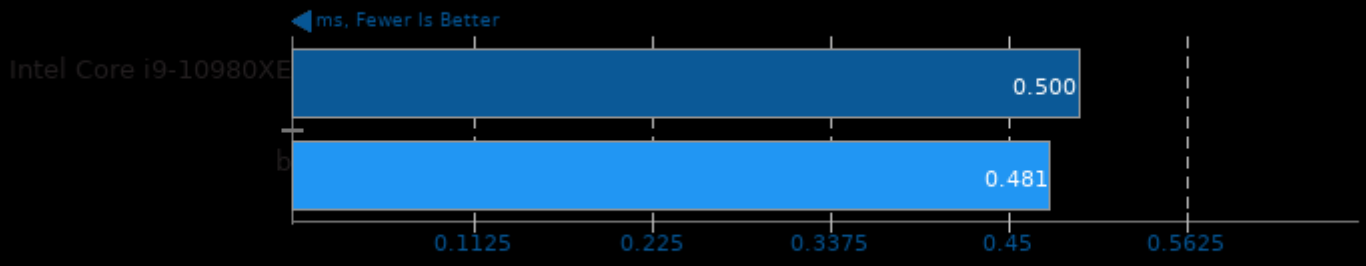


1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm


PostgreSQL 15
Scaling Factor: 100 - Clients: 100 - Mode: Read Write
TPS, More Is Better
Intel Core i9-10980XE
10951
10390
2K
4K
6K
8K
10K
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
ms, Fewer Is Better
Intel Core i9-10980XE
9.132
9.625
3
6
9
12
15
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm
PostgreSQL 15
Scaling Factor: 100 - Clients: 500 - Mode: Read Only
TPS, More Is Better
Intel Core i9-10980XE
921933
961018
200K
400K
600K
800K
1000K
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm
PostgreSQL 15
Scaling Factor: 100 - Clients: 500 - Mode: Read Only - Average Latency
ms, Fewer Is Better
Intel Core i9-10980XE
0.542
0.520
0.122
0.244
0.366
0.488
0.61
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

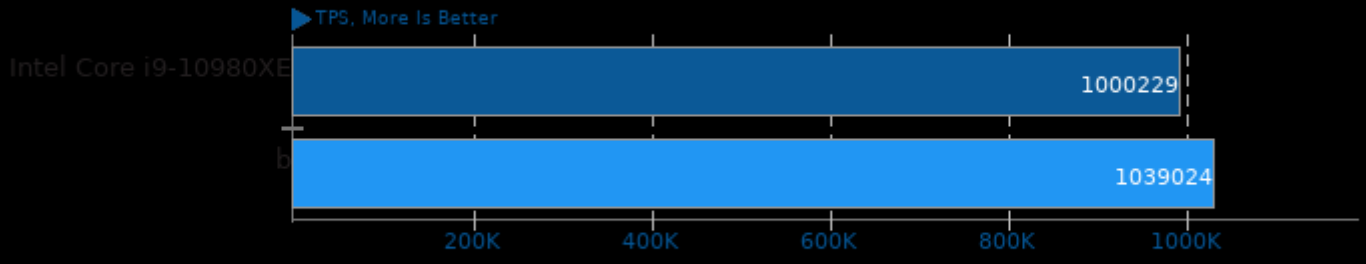
Scaling Factor: 1 - Clients: 500 - Mode: Read Only - Average Latency



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

PostgreSQL 15

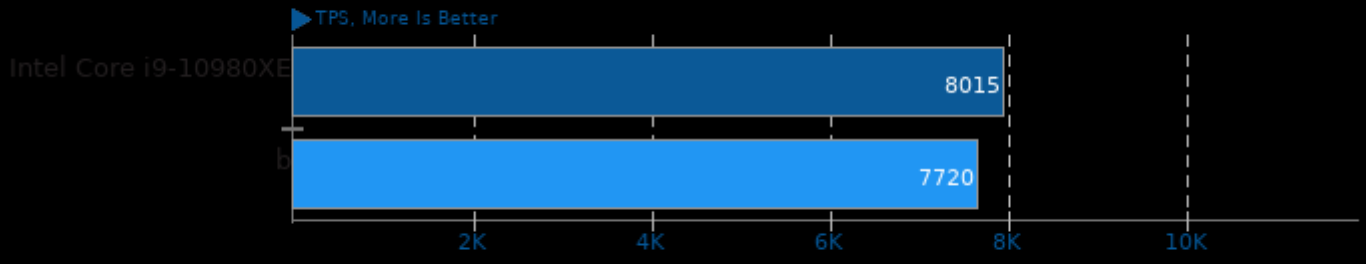
Scaling Factor: 1 - Clients: 500 - Mode: Read Only



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

PostgreSQL 15

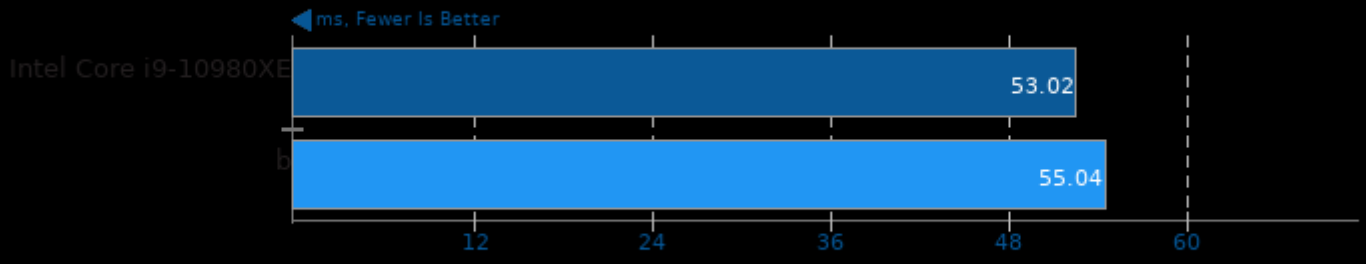
Scaling Factor: 100 - Clients: 50 - Mode: Read Write



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

PostgreSQL 15

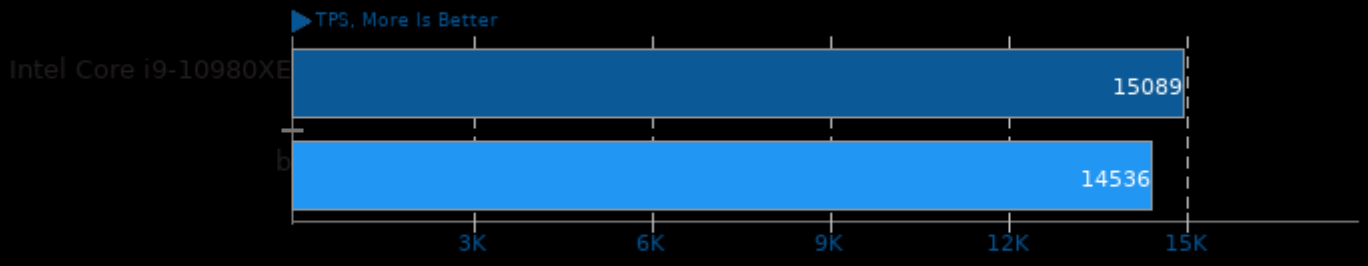
Scaling Factor: 100 - Clients: 800 - Mode: Read Write - Average Latency



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

PostgreSQL 15

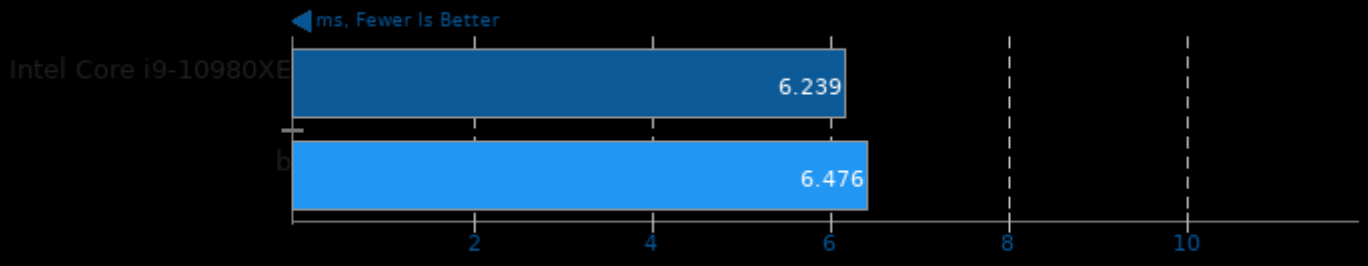
Scaling Factor: 100 - Clients: 800 - Mode: Read Write



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

PostgreSQL 15

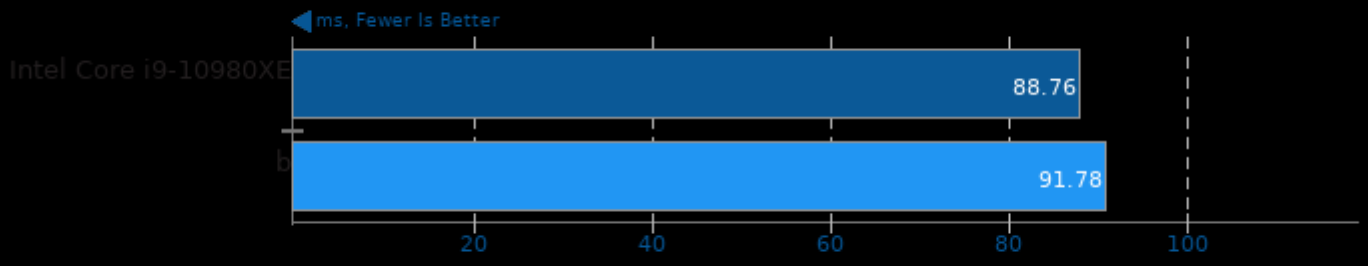
Scaling Factor: 100 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL 15

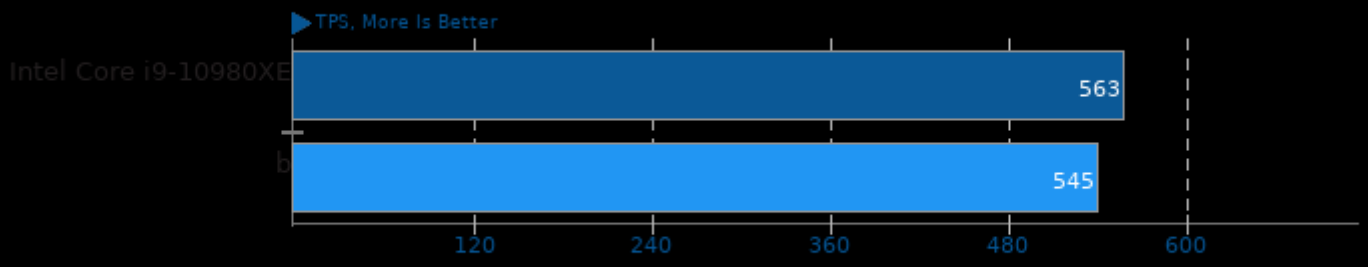
Scaling Factor: 1 - Clients: 50 - Mode: Read Write - Average Latency



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

PostgreSQL 15

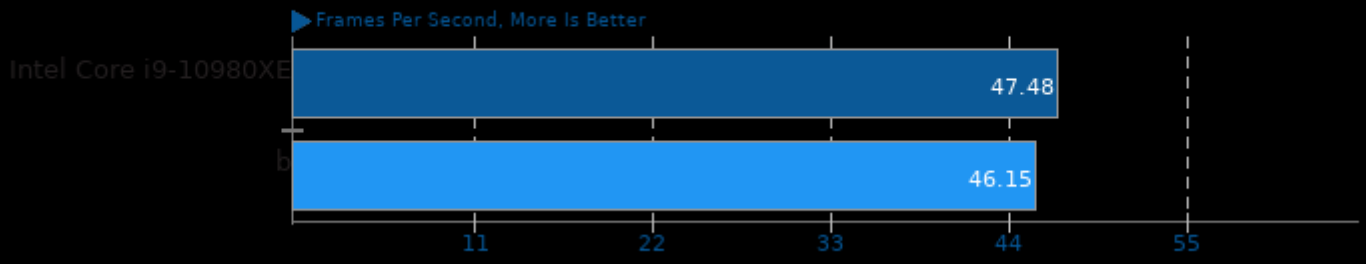
Scaling Factor: 1 - Clients: 50 - Mode: Read Write



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

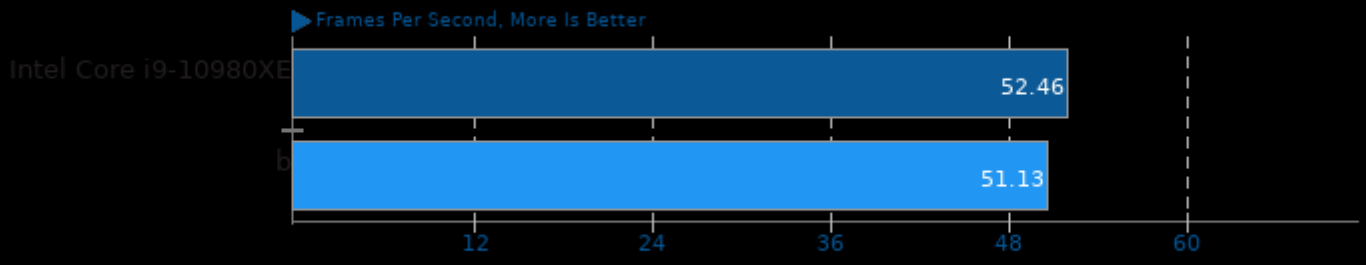
uvg266 0.4.1

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



Kvazaar 2.2

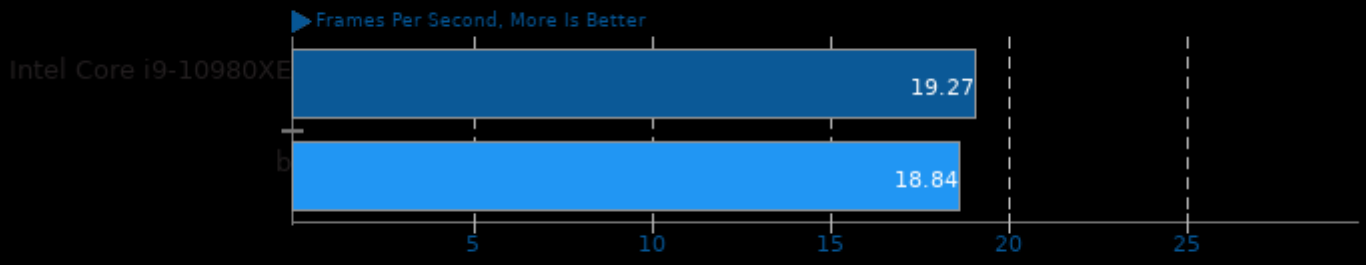
Video Input: Bosphorus 1080p - Video Preset: Super Fast



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

Kvazaar 2.2

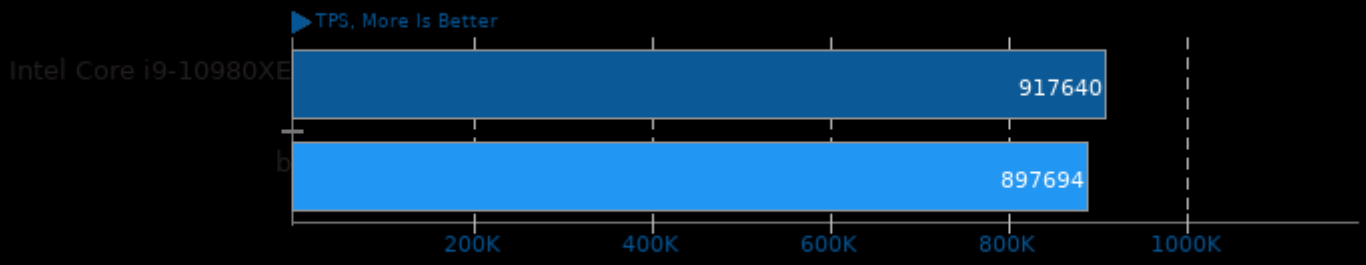
Video Input: Bosphorus 4K - Video Preset: Very Fast



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

PostgreSQL 15

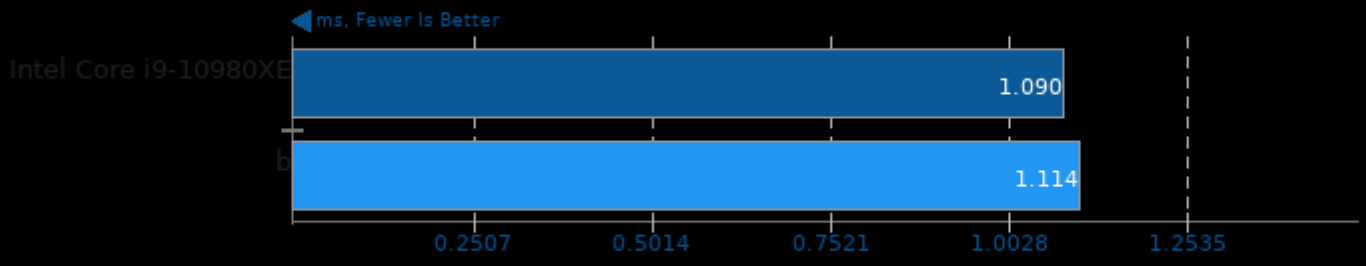
Scaling Factor: 1 - Clients: 1000 - Mode: Read Only



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

PostgreSQL 15

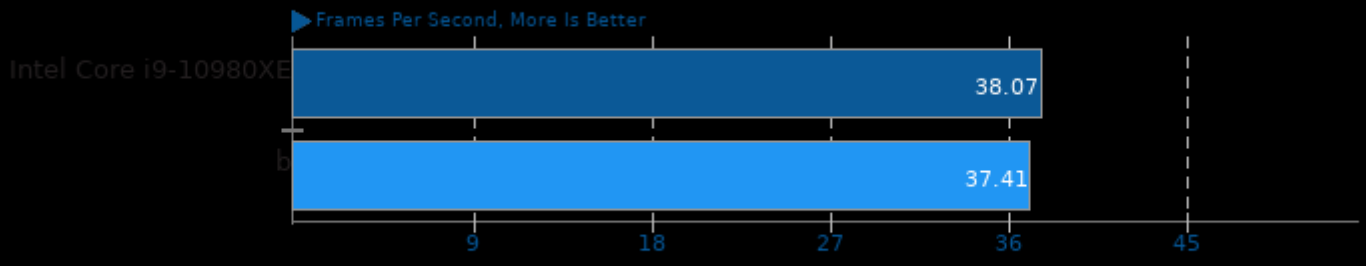
Scaling Factor: 1 - Clients: 1000 - Mode: Read Only - Average Latency



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

Kvazaar 2.2

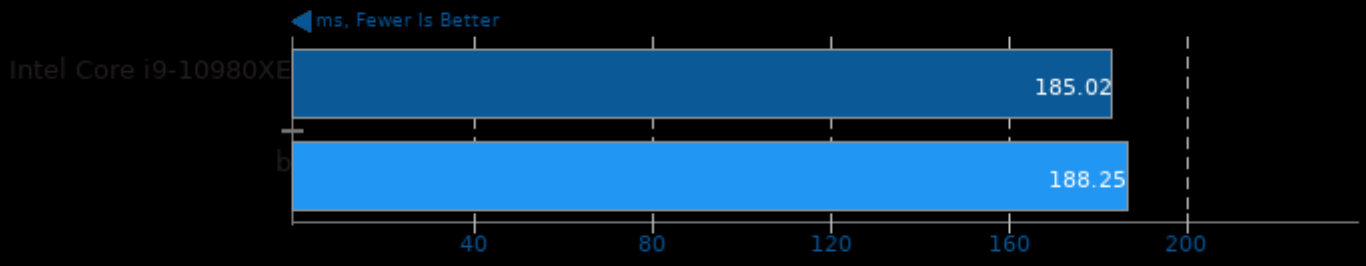
Video Input: Bosphorus 1080p - Video Preset: Very Fast



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

PostgreSQL 15

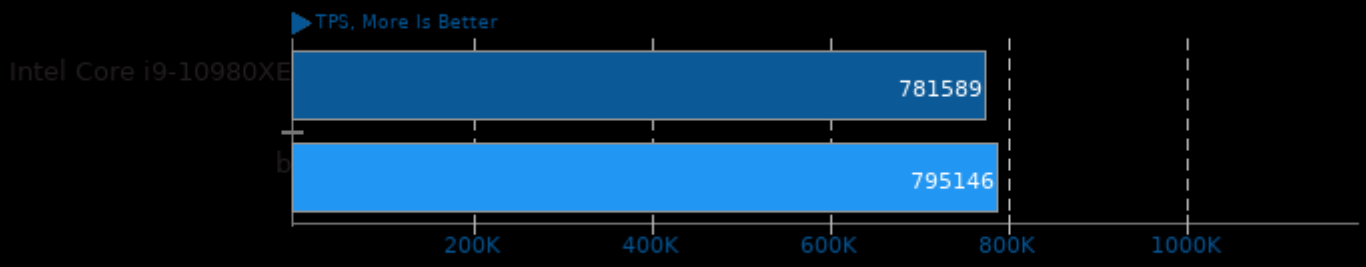
Scaling Factor: 1 - Clients: 100 - Mode: Read Write - Average Latency



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

PostgreSQL 15

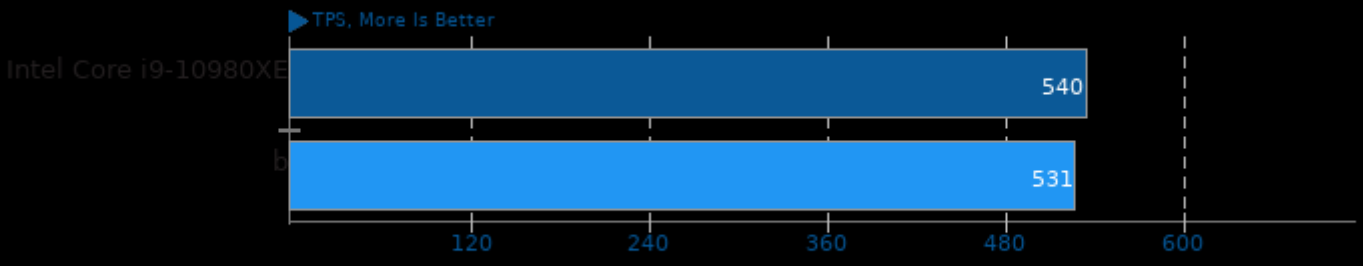
Scaling Factor: 100 - Clients: 1000 - Mode: Read Only



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

PostgreSQL 15

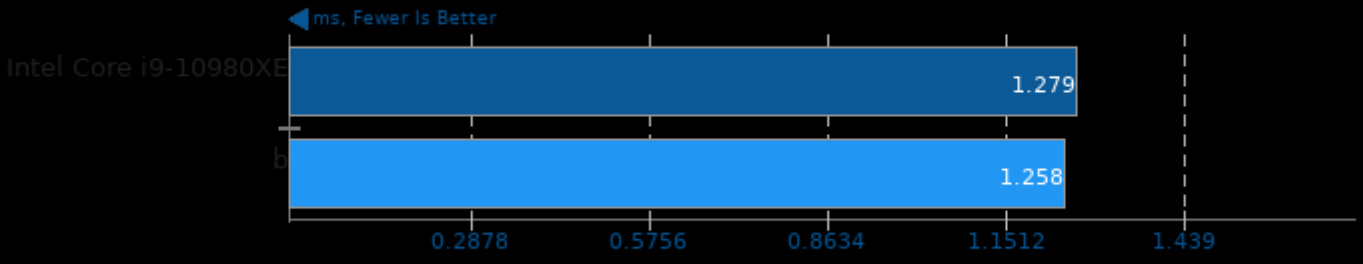
Scaling Factor: 1 - Clients: 100 - Mode: Read Write



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

PostgreSQL 15

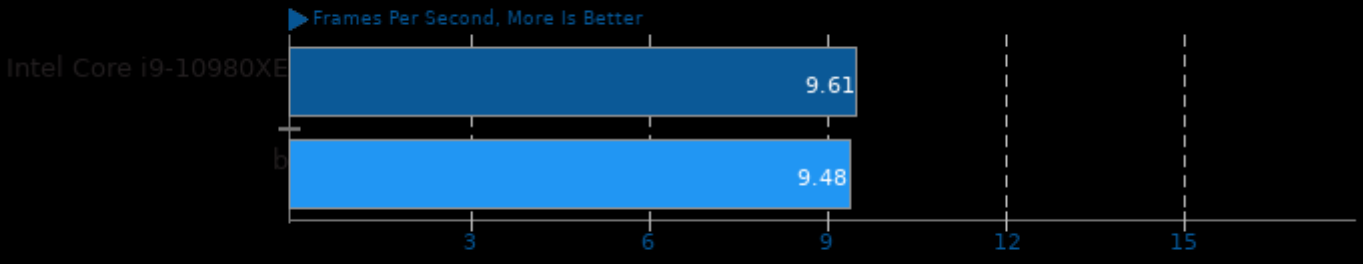
Scaling Factor: 100 - Clients: 1000 - Mode: Read Only - Average Latency



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

Kvazaar 2.2

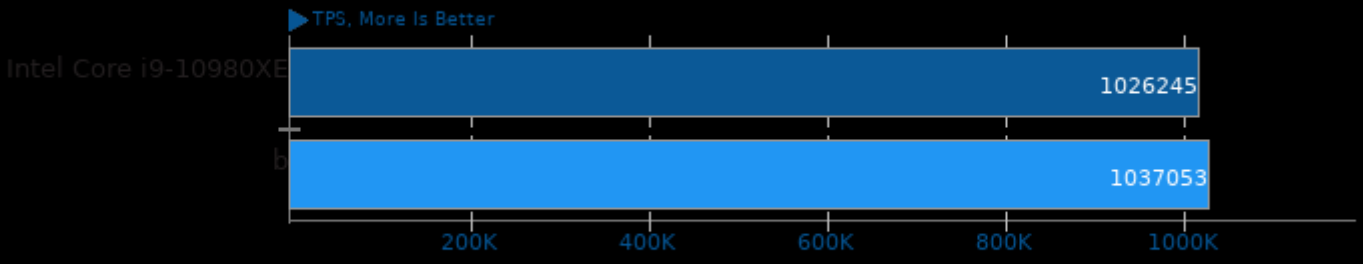
Video Input: Bosphorus 4K - Video Preset: Slow



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

PostgreSQL 15

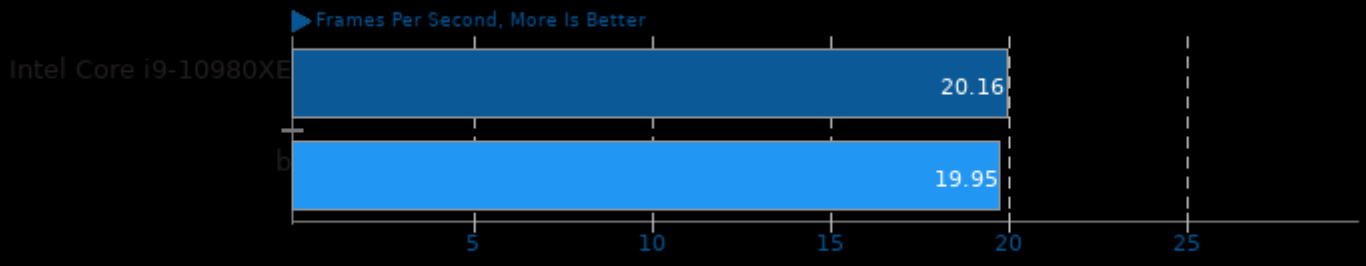
Scaling Factor: 100 - Clients: 100 - Mode: Read Only



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

Kvazaar 2.2

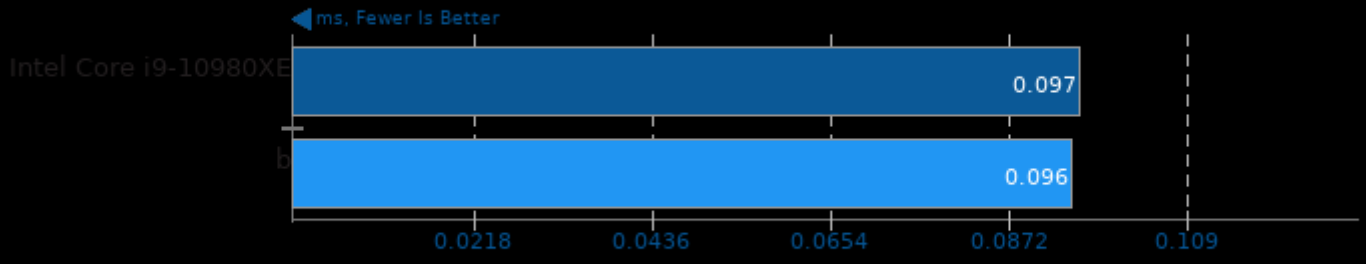
Video Input: Bosphorus 1080p - Video Preset: Medium



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

PostgreSQL 15

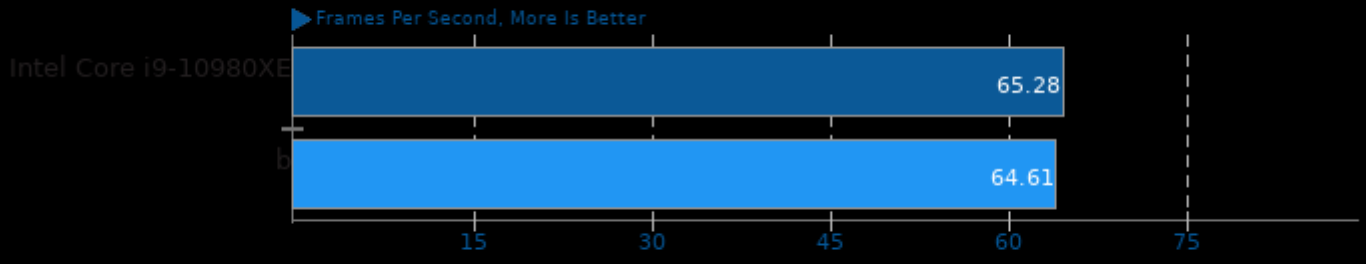
Scaling Factor: 100 - Clients: 100 - Mode: Read Only - Average Latency



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

Kvazaar 2.2

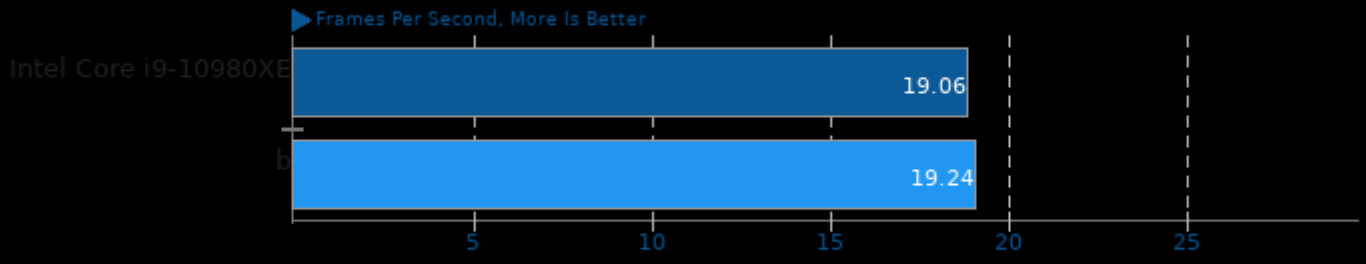
Video Input: Bosphorus 1080p - Video Preset: Ultra Fast



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

Kvazaar 2.2

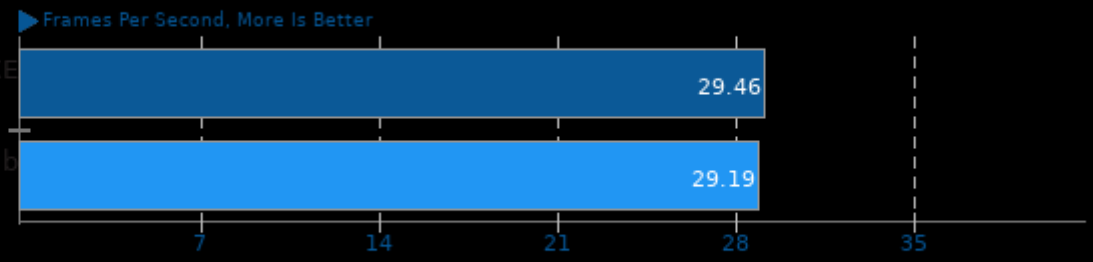
Video Input: Bosphorus 1080p - Video Preset: Slow



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

Kvazaar 2.2

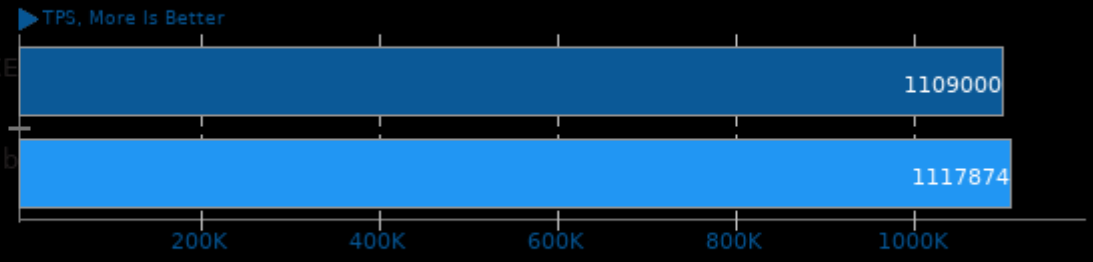
Video Input: Bosphorus 4K - Video Preset: Super Fast



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

PostgreSQL 15

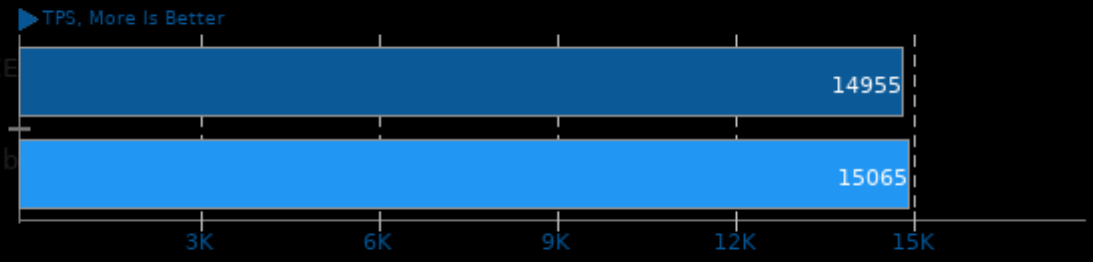
Scaling Factor: 1 - Clients: 250 - Mode: Read Only



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

PostgreSQL 15

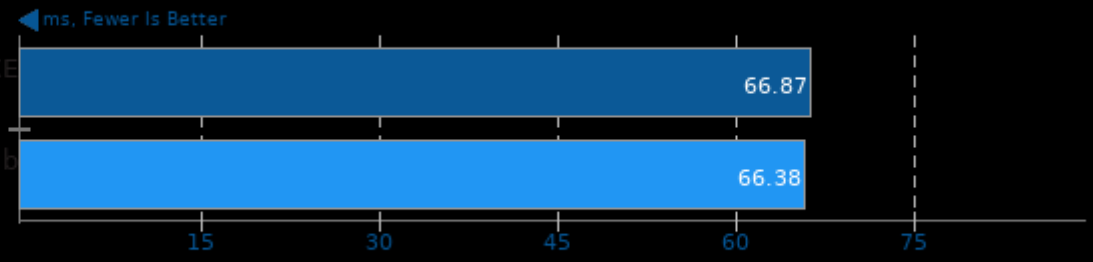
Scaling Factor: 100 - Clients: 1000 - Mode: Read Write



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

PostgreSQL 15

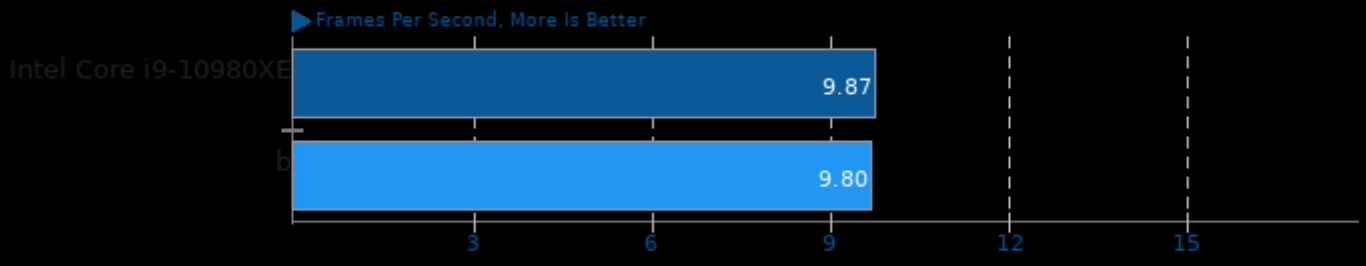
Scaling Factor: 100 - Clients: 1000 - Mode: Read Write - Average Latency



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

Kvazaar 2.2

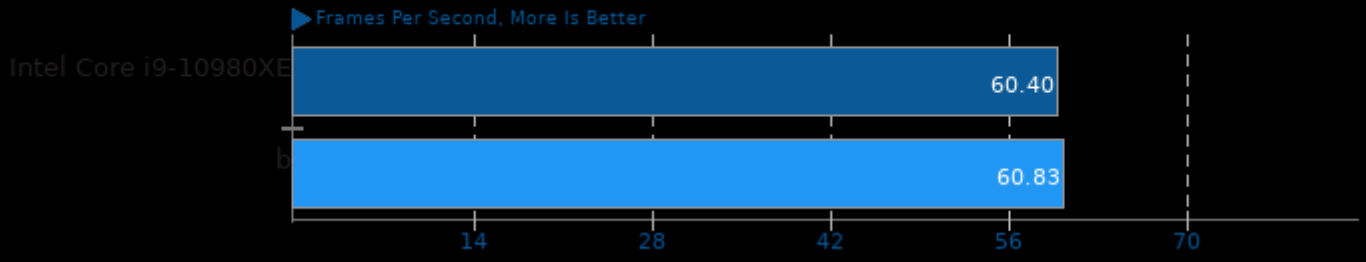
Video Input: Bosphorus 4K - Video Preset: Medium



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

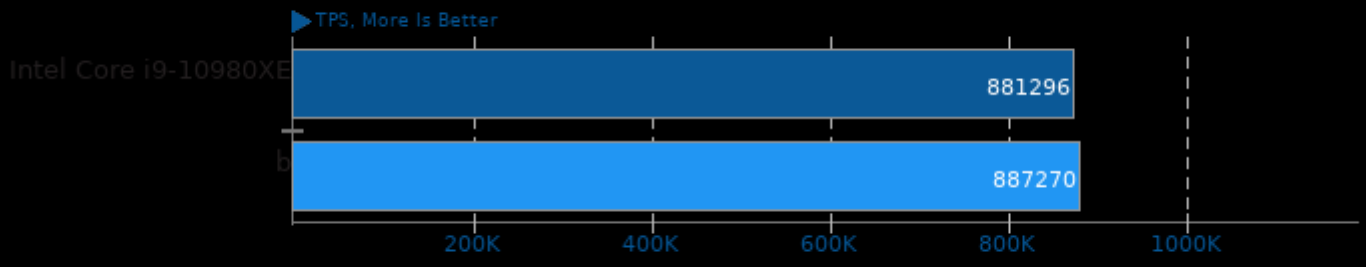
uvg266 0.4.1

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



PostgreSQL 15

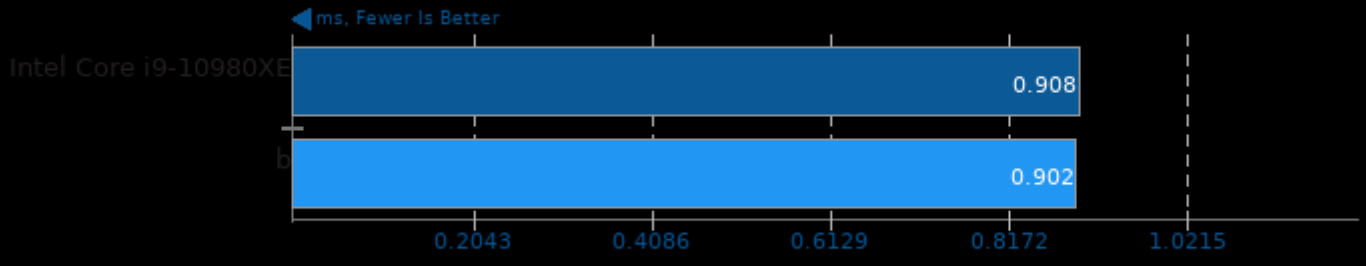
Scaling Factor: 100 - Clients: 800 - Mode: Read Only



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

PostgreSQL 15

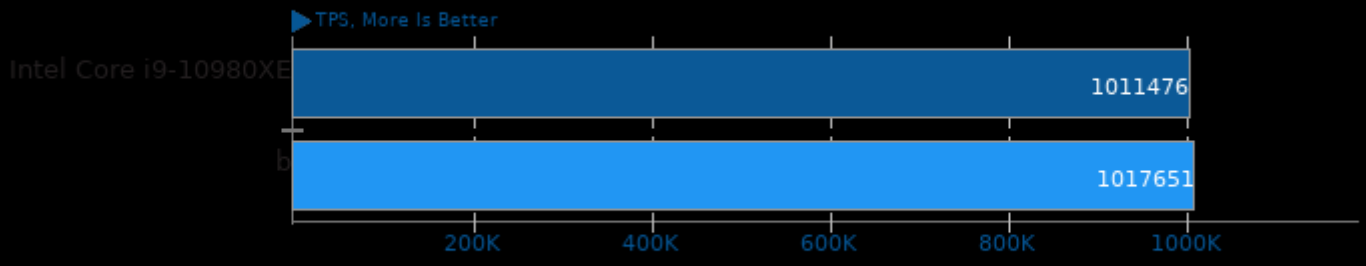
Scaling Factor: 100 - Clients: 800 - Mode: Read Only - Average Latency



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

PostgreSQL 15

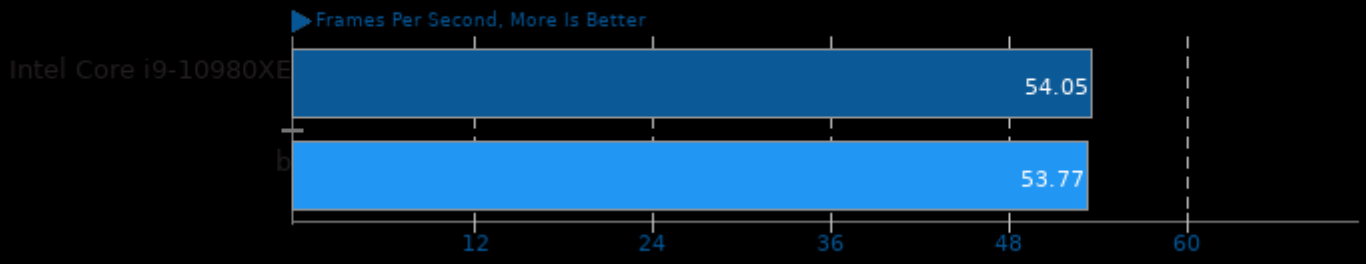
Scaling Factor: 100 - Clients: 250 - Mode: Read Only



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

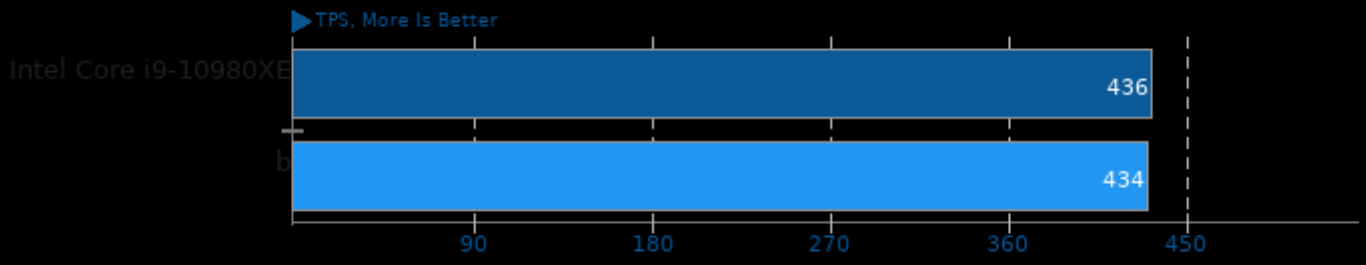
uvg266 0.4.1

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



PostgreSQL 15

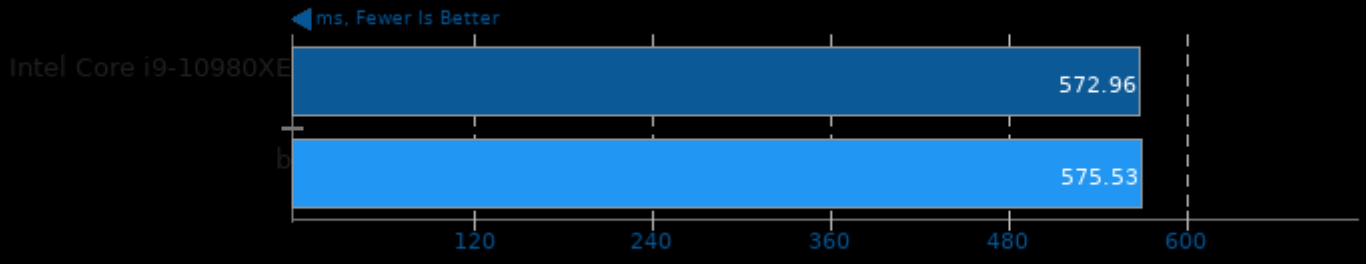
Scaling Factor: 1 - Clients: 250 - Mode: Read Write



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

PostgreSQL 15

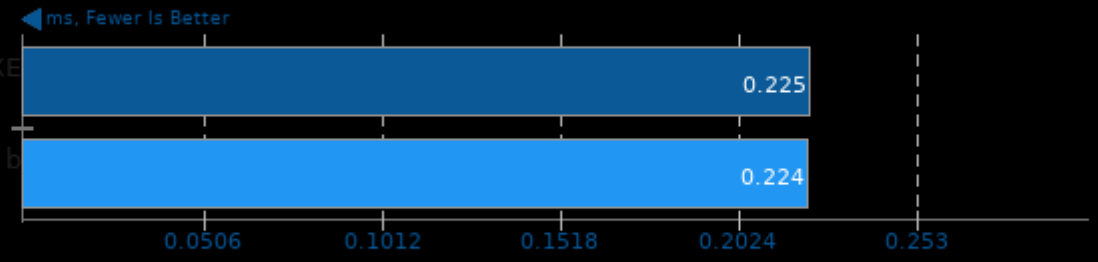
Scaling Factor: 1 - Clients: 250 - Mode: Read Write - Average Latency



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

PostgreSQL 15

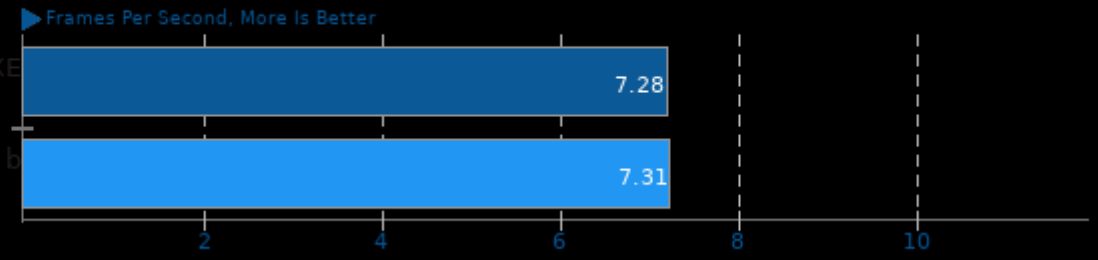
Scaling Factor: 1 - Clients: 250 - Mode: Read Only - Average Latency



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

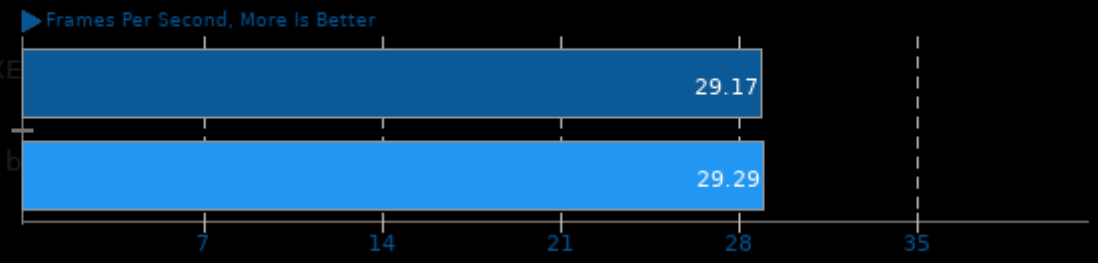
uvg266 0.4.1

Video Input: Bosphorus 4K - Video Preset: Slow



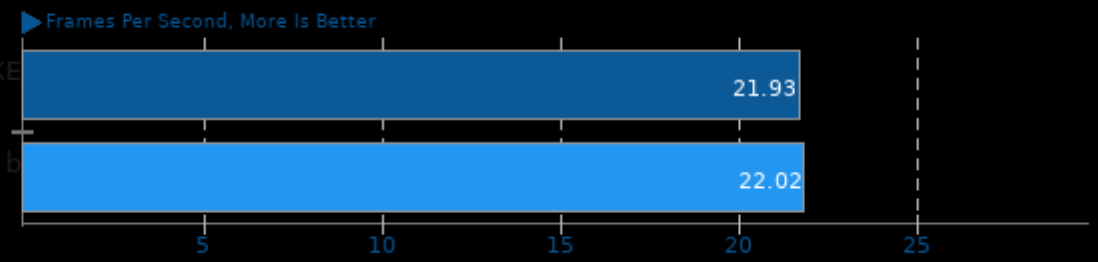
uvg266 0.4.1

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



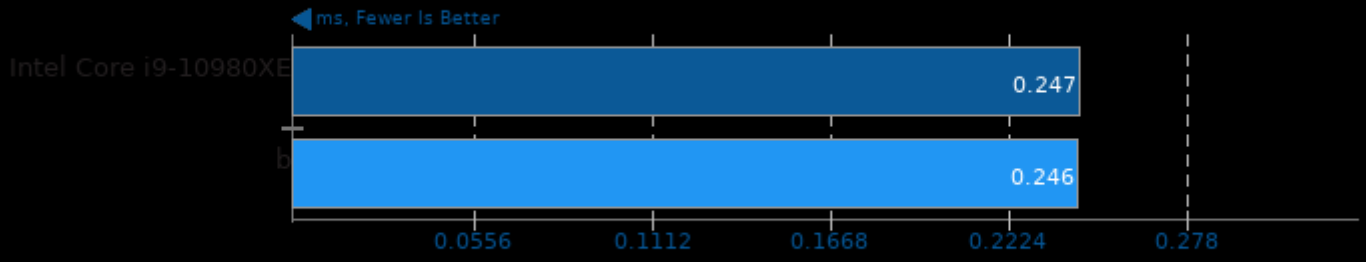
uvg266 0.4.1

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



PostgreSQL 15

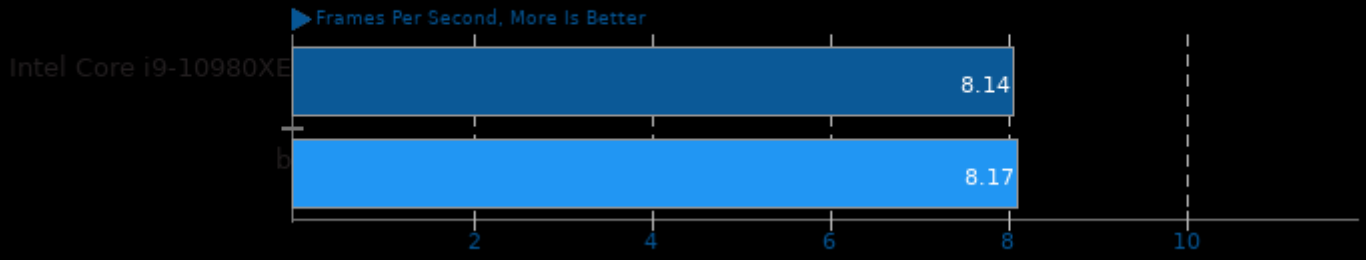
Scaling Factor: 100 - Clients: 250 - Mode: Read Only - Average Latency



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

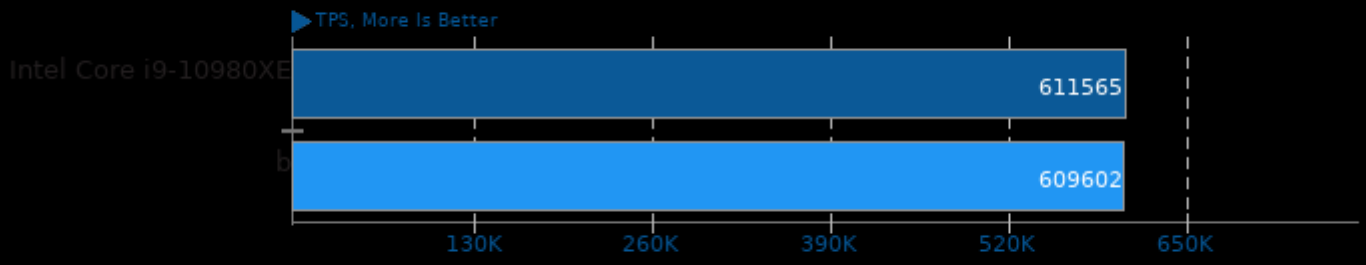
uvg266 0.4.1

Video Input: Bosphorus 4K - Video Preset: Medium



PostgreSQL 15

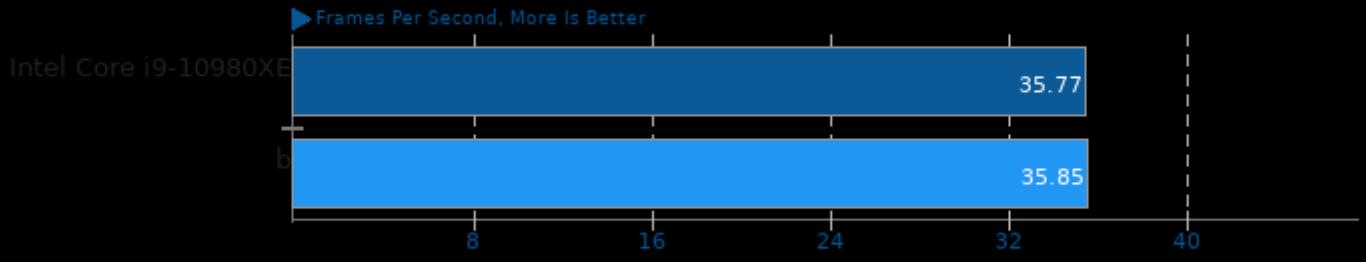
Scaling Factor: 100 - Clients: 50 - Mode: Read Only



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

Kvazaar 2.2

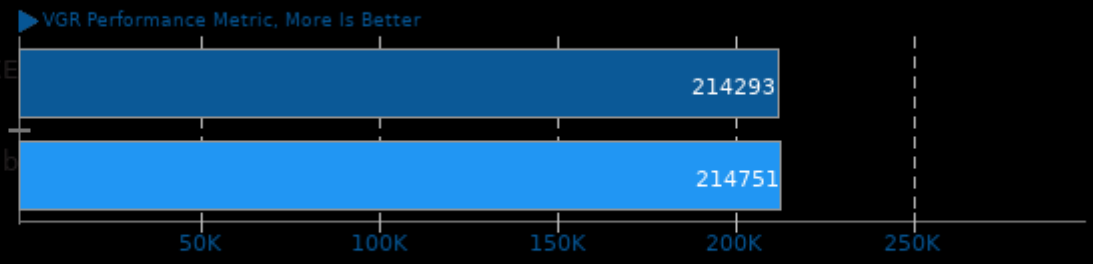
Video Input: Bosphorus 4K - Video Preset: Ultra Fast



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

BRL-CAD 7.34

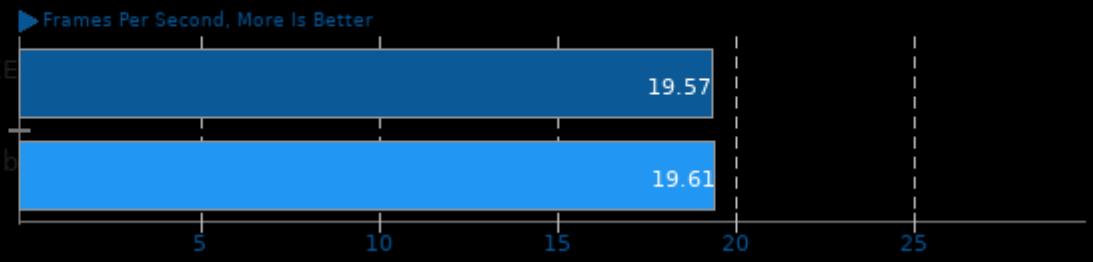
VGR Performance Metric



1. (CXX) g++ options: -std=c++14 -pipe -fvisibility=hidden -fno-strict-aliasing -fno-common -fexceptions -ftemplate-depth-128 -m64 -ggdb3 -O3 -fipa-pt

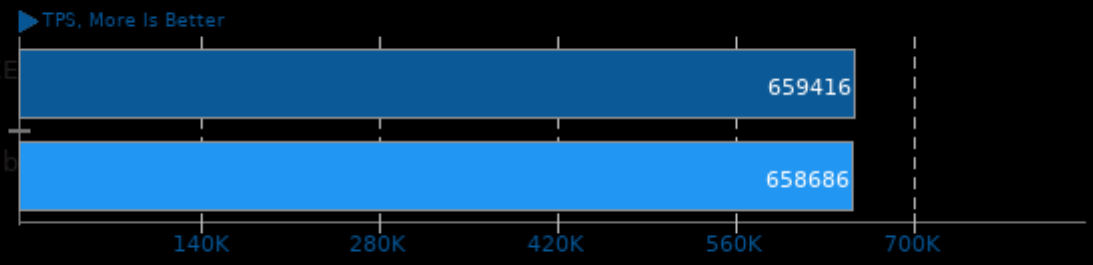
uvg266 0.4.1

Video Input: Bosphorus 1080p - Video Preset: Medium



PostgreSQL 15

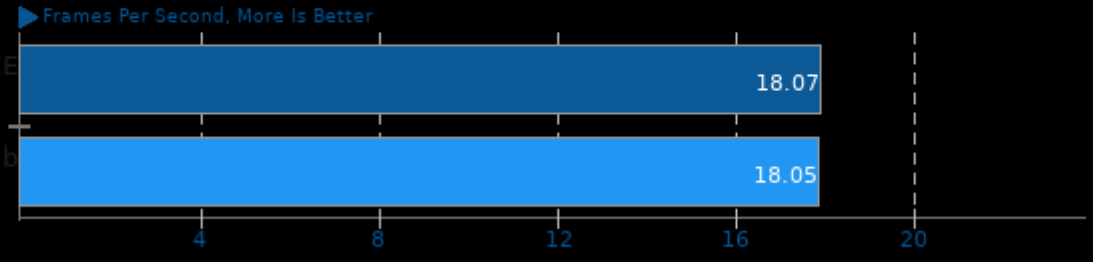
Scaling Factor: 1 - Clients: 50 - Mode: Read Only



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

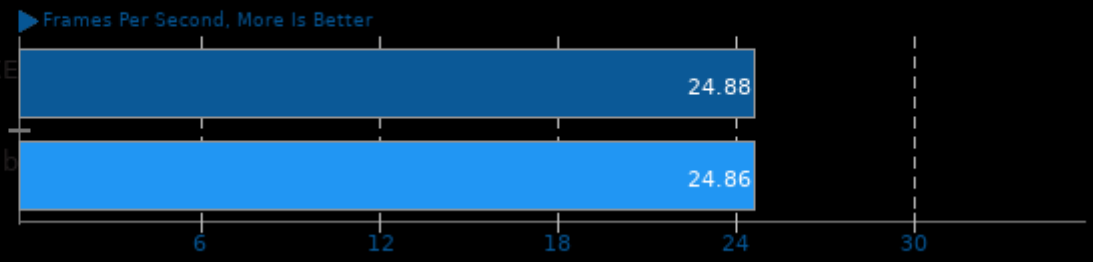
uvg266 0.4.1

Video Input: Bosphorus 1080p - Video Preset: Slow



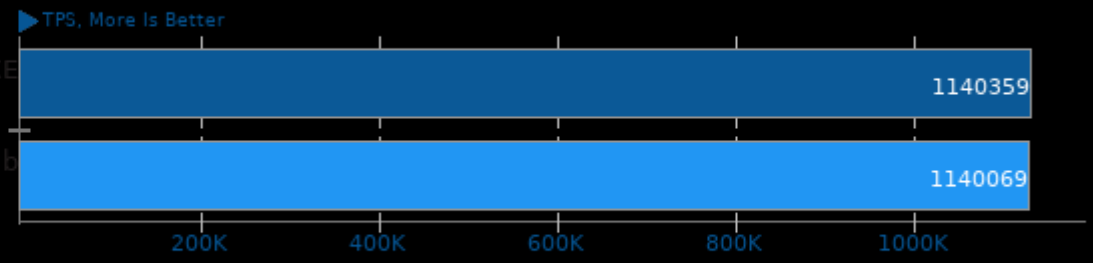
uvg266 0.4.1

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



PostgreSQL 15

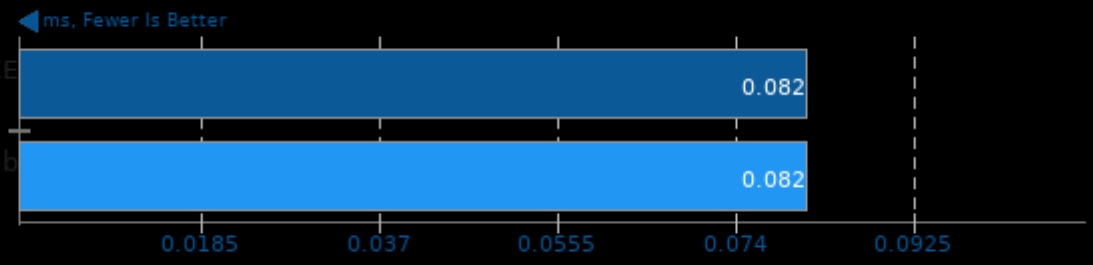
Scaling Factor: 1 - Clients: 100 - Mode: Read Only



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

PostgreSQL 15

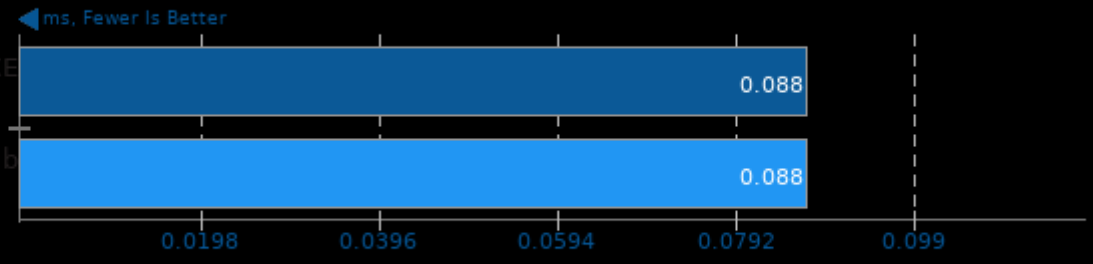
Scaling Factor: 100 - Clients: 50 - Mode: Read Only - Average Latency



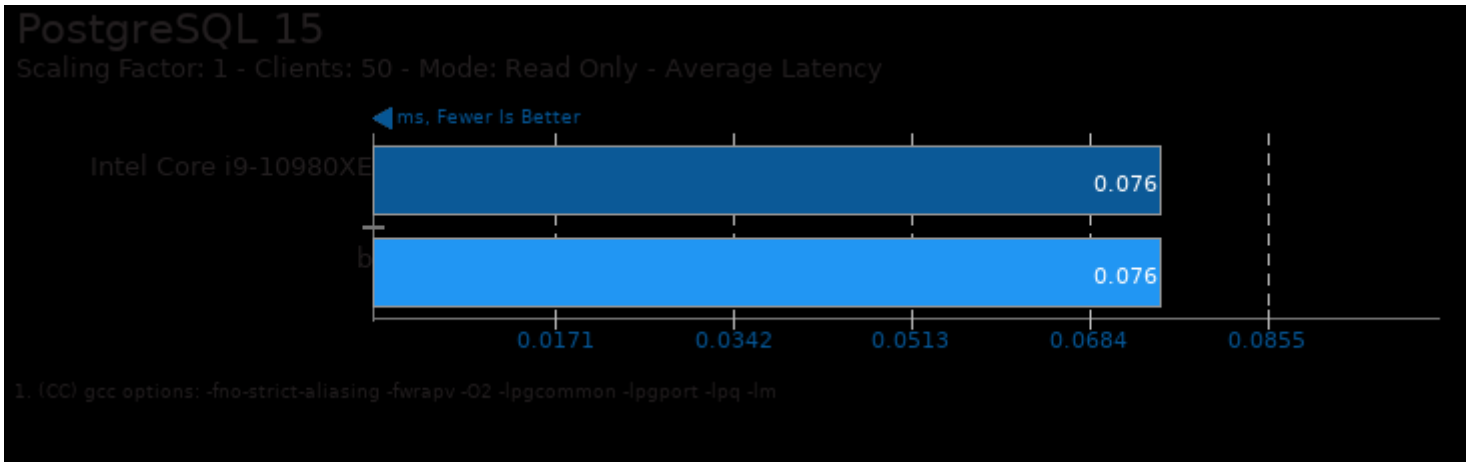
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

PostgreSQL 15

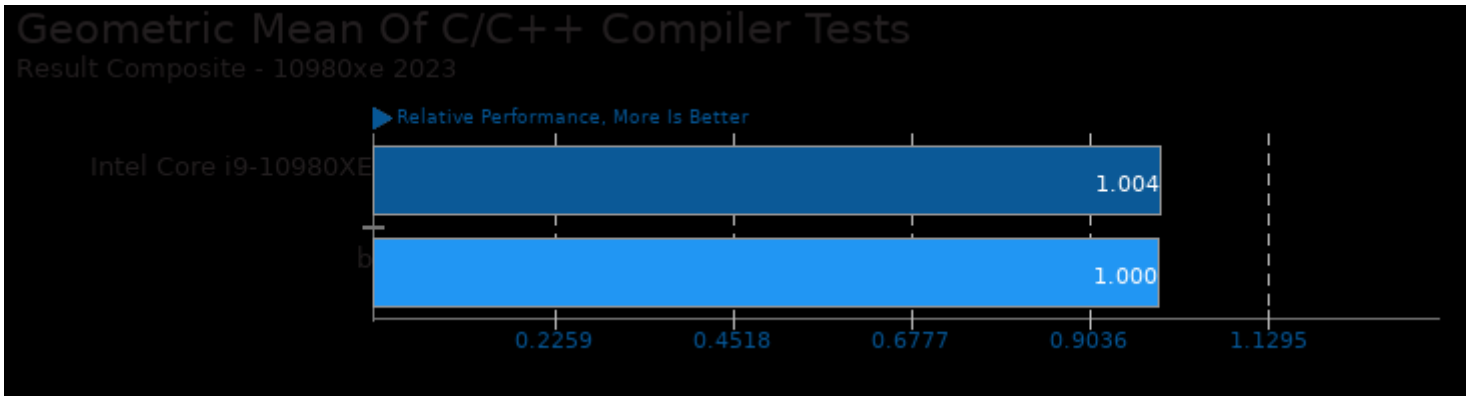
Scaling Factor: 1 - Clients: 100 - Mode: Read Only - Average Latency



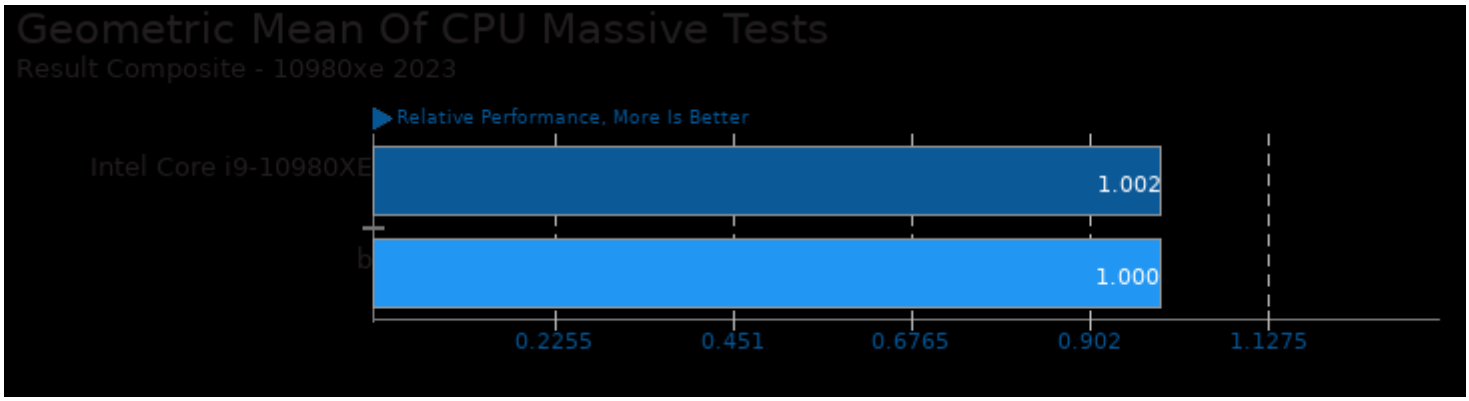
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm


PostgreSQL 15
Scaling Factor: 1 - Clients: 50 - Mode: Read Only - Average Latency
ms, Fewer Is Better
Intel Core i9-10980XE
0.076
0.076
0.0171
0.0342
0.0513
0.0684
0.0855
1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpgcommon -lpgport -lpq -lm

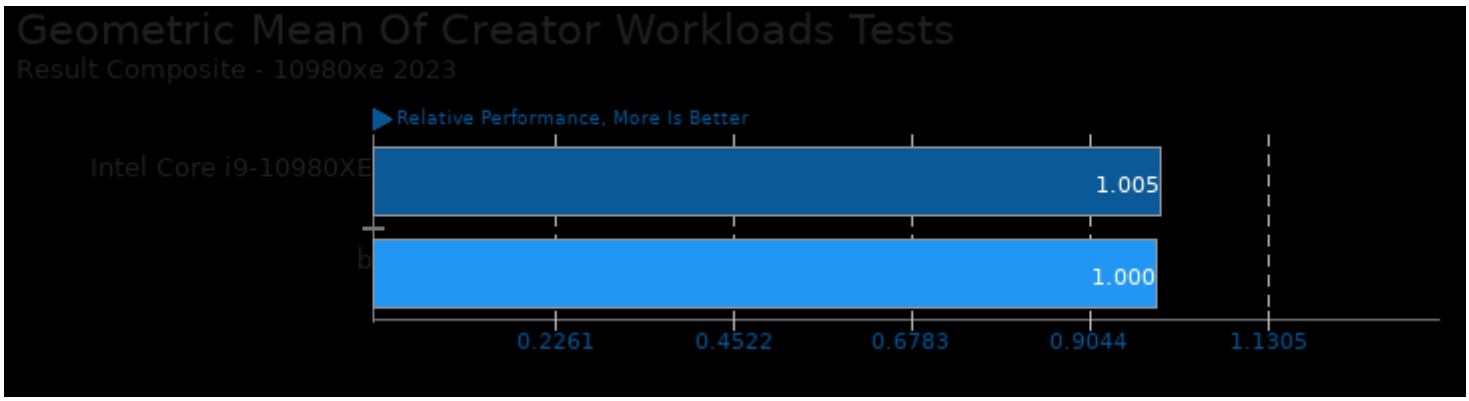
These geometric means are based upon test groupings / test suites for this result file.



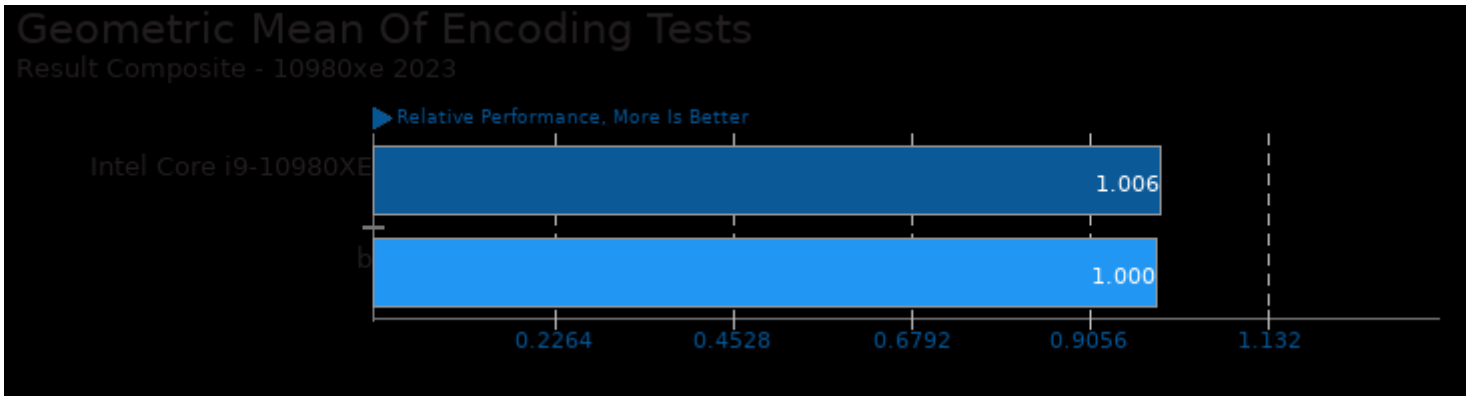
Geometric mean based upon tests: pts/pgbench and pts/kvazaar



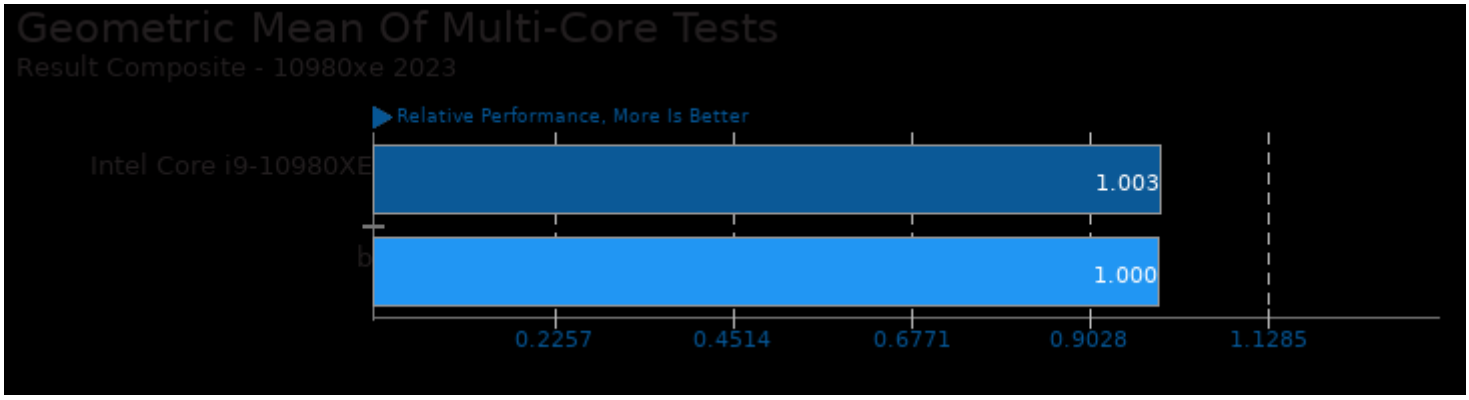
Geometric mean based upon tests: pts/brl-cad and pts/pgbench



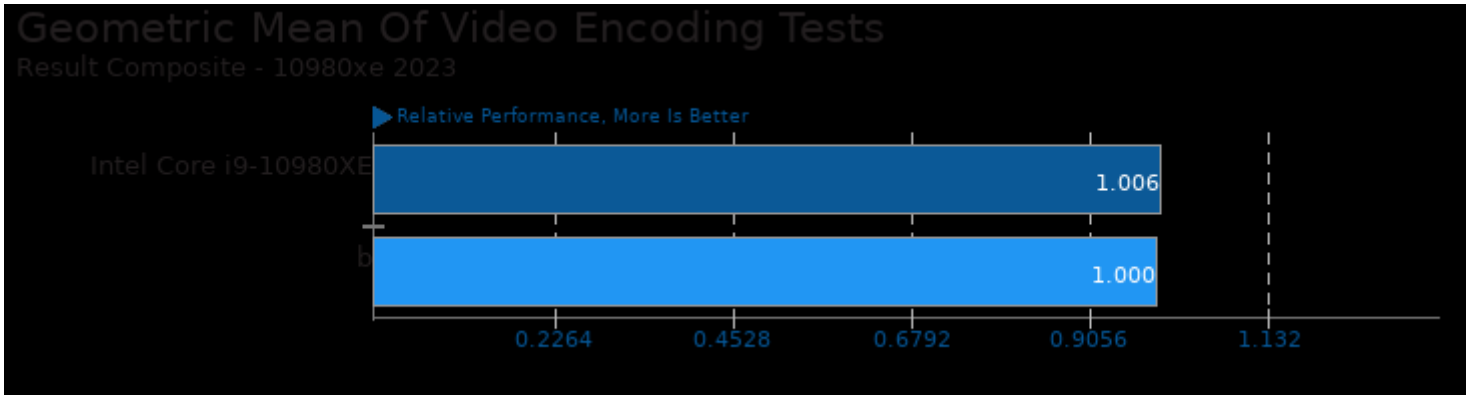
Geometric mean based upon tests: pts/kvazaar, pts/uvg266 and pts/brl-cad



Geometric mean based upon tests: pts/kvazaar and pts/uvg266



Geometric mean based upon tests: pts/kvazaar, pts/uvg266 and pts/pgbench



Geometric mean based upon tests: pts/kvazaar and pts/uvg266

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 11:22.