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2022-05-06-0933

2 x Intel Xeon E5-2620 v3 testing with a Supermicro X10DRL-i v1.01 (3.4 BIOS) and ASPEED on Debian 11 via the Phoronix Test Suite.

Automated Executive Summary

SuperServer Xeon Haswell had the most wins, coming in first place for 43% of the tests.

Based on the geometric mean of all complete results, the fastest (SuperServer Xeon Haswell) was 1.354x the speed of the slowest (ASUS X512-JA vs Opteron). 4 x AMD Opteron 8378 was 0.761x the speed of SuperServer Xeon Haswell and ASUS X512-JA vs Opteron was 0.97x the speed of 4 x AMD Opteron 8378.

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

Stress-NG (Test: IO_uring) at 8.078x

Stress-NG (Test: Malloc) at 7.644x

Stress-NG (Test: RdRand) at 6.955x

Stress-NG (Test: MEMFD) at 4.01x

FLAC Audio Encoding (WAV To FLAC) at 3.271x

Timed MrBayes Analysis (Primate Phylogeny Analysis) at 3.091x

Stress-NG (Test: Crypto) at 2.861x

Stress-NG (Test: Semaphores) at 2.71x

Stress-NG (*Test: Memory Copying*) at 2.683x

7-Zip Compression (*Test: Decompression Rating*) at 2.62x.

Test Systems:

4 x AMD Opteron 8378

Processor: 4 x AMD Opteron 8378 (16 Cores), Motherboard: HP ProLiant DL585 G5 (A07 BIOS), Chipset: AMD 10h HyperTransport Configuration, Memory: 64GB, Disk: 90GB LOGICAL VOLUME, Graphics: AMD ES1000, Monitor: DELL E156FP, Network: 2 x Broadcom NetXtreme II BCM5706

OS: Debian 11, Kernel: 5.10.0-14-amd64 (x86_64), Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr, hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-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: CPU Microcode: 0x1000086
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Not affected + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

ASUS X512-JA vs Opteron

Processor: Intel Core i5-1035G1 @ 3.60GHz (4 Cores / 8 Threads), Motherboard: ASUS X512JA v1.0 (X512JA.308 BIOS), Chipset: Intel Ice Lake-LP DRAM, Memory: 12GB, Disk: 128GB Toshiba THNSN5128GPU7, Graphics: ASUS Intel Iris Plus G1 (1050MHz), Audio: Realtek ALC256

OS: Debian 11, Kernel: 5.10.0-21-amd64 (x86_64), Display Server: X Server 1.20.11, Vulkan: 1.2.145, Compiler: GCC 10.2.1 20210110, File-System: ext4

Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr, hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-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_pstate powersave (EPP: balance_performance) - CPU Microcode: 0xa0
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + rebleed: Mitigation of Enhanced IBRS + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling PBRSB-eIBRS: SW sequence + srbs: Vulnerable: No microcode + tsx_async_abort: Not affected

SuperServer Xeon Haswell

Processor: 2 x Intel Xeon E5-2620 v3 @ 3.20GHz (12 Cores), Motherboard: Supermicro X10DRL-i v1.01 (3.4 BIOS), Chipset: Intel Xeon E7 v3/Xeon, Memory: 64GB, Disk: 1000GB Western Digital WD10EZEX-08W + 6 x 2000GB TOSHIBA DT01ACA2 + 1000GB Western Digital WD10EZEX-00W + 480GB KINGSTON SEDC500 + 256GB

SAMSUNG SSD PM84, Graphics: ASPEED, Network: 4 x Intel 82575GB + 2 x Intel I210

OS: Debian 11, Kernel: 5.10.0-20-amd64 (x86_64), Desktop: Xfce, Display Server: X Server, Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: always

Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --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-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-build-config=bootstrap-ito-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_cpfreq schedutil - CPU Microcode: 0x46

Security Notes: i11t_multithit: KVM: Mitigation of VMX disabled + I11t: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + meltdown: Mitigation of PTI + mmio_stale_data: Mitigation of Clear buffers; SMT disabled + rebleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IPBPs: conditional IBRS_FW RSB filling PBRSB-elIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

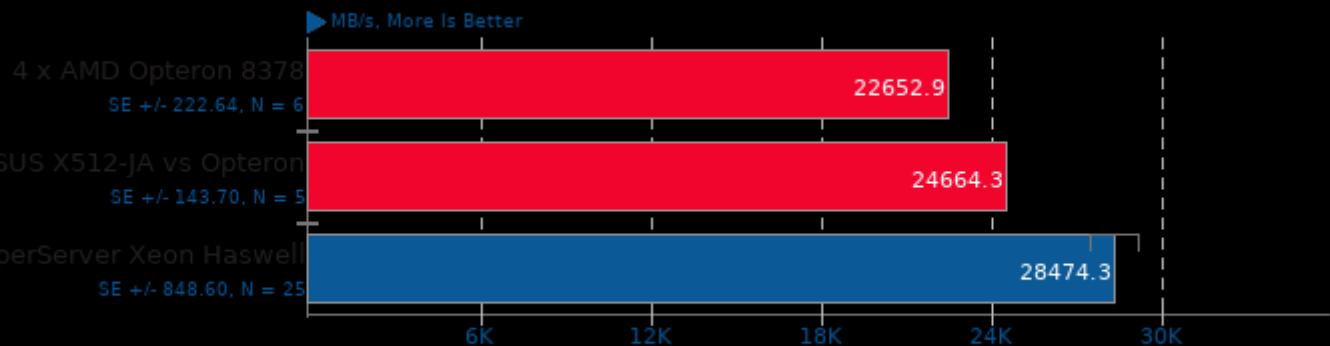
	4 x AMD Opteron 8378	ASUS X512-JA vs Opteron	SuperServer Xeon Haswell
Stream - Copy (MB/s)	22653	24664	28474
Normalized	79.56%	86.62%	100%
Standard Deviation	2.4%	1.3%	14.9%
Stream - Scale (MB/s)	19418	17744	18311
Normalized	100%	91.38%	94.3%
Standard Deviation	0.7%	0.6%	5.8%
Stream - Triad (MB/s)	21744	18529	23116
Normalized	94.06%	80.16%	100%
Standard Deviation	1.4%	1.4%	2.8%
Stream - Add (MB/s)	21824	19635	20862
Normalized	100%	89.97%	95.6%
Standard Deviation	0.9%	1.3%	5.7%
Timed MrBayes Analysis - P.P.A (sec)	598.989	193.759	237.427
Normalized	32.35%	100%	81.61%
Standard Deviation	0.2%	1.1%	0.3%
Timed HMMer Search - P.D.S (sec)	291.053	196.690	236.572
Normalized	67.58%	100%	83.14%
Standard Deviation	0%	0.6%	0.3%
7-Zip Compression - Compression Rating (MIPS)	39259	19638	37374
Normalized	100%	50.02%	95.2%
Standard Deviation	0.1%	0.3%	1.6%
7-Zip Compression - D.R (MIPS)	38684	14765	29605
Normalized	100%	38.17%	76.53%
Standard Deviation	0.1%	3.1%	1.2%
Parallel BZIP2 Compression - F.I.O.R.a.m.i.C (sec)	20.695	32.618	16.809
Normalized	81.22%	51.53%	100%
Standard Deviation	0.6%	2.4%	1.5%
FLAC Audio Encoding - WAV To FLAC (sec)	61.461	18.787	34.465
Normalized	30.57%	100%	54.51%
Standard Deviation	0.5%	0.4%	1%

Gcrypt Library (sec)	522.615	251.486	321.773
Normalized	48.12%	100%	78.16%
Standard Deviation	1.1%	0.5%	2%
OpenSSL - SHA256 (byte/s)	1793670973	2176171110	2445743477
Normalized	73.34%	88.98%	100%
Standard Deviation	0.5%	0.1%	0.4%
OpenSSL - RSA4096 (sign/s)	1109	726.5	1322
Normalized	83.9%	54.95%	100%
Standard Deviation	0%	2.5%	0.6%
OpenSSL - RSA4096 (verify/s)	73227	44111	86759
Normalized	84.4%	50.84%	100%
Standard Deviation	0.1%	0.1%	0.7%
Stress-NG - MMAP (Bogo Ops/s)	105.04	30.96	59.91
Normalized	100%	29.47%	57.04%
Standard Deviation	10.7%	2.3%	2%
Stress-NG - NUMA (Bogo Ops/s)	0.49	86.99	79.06
Normalized	0.56%	100%	90.88%
Standard Deviation	2.3%	2.5%	44.3%
Stress-NG - MEMFD (Bogo Ops/s)	522.50	201.46	807.79
Normalized	64.68%	24.94%	100%
Standard Deviation	0.5%	2.3%	0.1%
Stress-NG - Atomic (Bogo Ops/s)	158413	193100	156546
Normalized	82.04%	100%	81.07%
Standard Deviation	0%	4.8%	1.6%
Stress-NG - Crypto (Bogo Ops/s)	1524	548.22	1568
Normalized	97.21%	34.96%	100%
Standard Deviation	0.2%	2.5%	0%
Stress-NG - Malloc (Bogo Ops/s)	47346406	17225788	131671810
Normalized	35.96%	13.08%	100%
Standard Deviation	0.1%	0.6%	1.4%
Stress-NG - Forking (Bogo Ops/s)	11077	18136	8098
Normalized	61.08%	100%	44.65%
Standard Deviation	2.3%	2.6%	0.7%
Stress-NG - IO_uring (Bogo Ops/s)	34606	9684	4284
Normalized	100%	27.98%	12.38%
Standard Deviation	2%	1.9%	1.8%
Stress-NG - SENDFILE (Bogo Ops/s)	87369	50825	85795
Normalized	100%	58.17%	98.2%
Standard Deviation	0.4%	4.5%	0%
Stress-NG - CPU Cache (Bogo Ops/s)	42.36	206.11	50.97
Normalized	20.55%	100%	24.73%
Standard Deviation	8.9%	3.3%	9.3%
Stress-NG - CPU Stress (Bogo Ops/s)	11010	5318	11280
Normalized	97.61%	47.14%	100%
Standard Deviation	0.9%	3.7%	0.3%
Stress-NG - Semaphores (Bogo Ops/s)	1305188	724400	1963070
Normalized	66.49%	36.9%	100%
Standard Deviation	0.2%	0.1%	0.1%
Stress-NG - Matrix Math (Bogo Ops/s)	28645	12637	32631
Normalized	87.78%	38.73%	100%
Standard Deviation	0%	4.5%	0.5%
Stress-NG - Vector Math (Bogo Ops/s)	14103	9324	15856
Normalized	88.94%	58.8%	100%
Standard Deviation	0.1%	2.4%	0.1%
Stress-NG - Memory Copying (Bogo Ops/s)	640.29	964.58	1718

	Normalized	37.27%	56.15%	100%
	Standard Deviation	0.3%	1.7%	3.3%
Stress-NG - Socket Activity (Bogo Ops/s)	3005		3329	4249
	Normalized	70.72%	78.35%	100%
	Standard Deviation	0.9%	14.3%	1%
Stress-NG - Context Switching (Bogo Ops/s)	2585566		1524544	2003687
	Normalized	100%	58.96%	77.5%
	Standard Deviation	2.1%	2.5%	2.5%
Stress-NG - G.C.S.F (Bogo Ops/s)	400288		361147	876688
	Normalized	45.66%	41.19%	100%
	Standard Deviation	0.3%	3.9%	0.1%
Stress-NG - G.Q.D.S (Bogo Ops/s)	87.61		42.17	97.25
	Normalized	90.09%	43.36%	100%
	Standard Deviation	2.4%	4.9%	0.2%
Stress-NG - S.V.M.P (Bogo Ops/s)	2239789		4157531	2116053
	Normalized	53.87%	100%	50.9%
	Standard Deviation	0.5%	2.5%	0.8%
nginx - 1 (Req/sec)	28251			
	Standard Deviation	0.2%		
nginx - 20 (Req/sec)	113272			
	Standard Deviation	0.8%		
nginx - 100 (Req/sec)	113406			
	Standard Deviation	0.3%		
nginx - 200 (Req/sec)	112747			
	Standard Deviation	0%		
nginx - 500 (Req/sec)	111016			
	Standard Deviation	0.2%		
nginx - 1000 (Req/sec)	110879			
	Standard Deviation	0.4%		
Stress-NG - RdRand (Bogo Ops/s)			67463	469216
	Normalized		14.38%	100%
	Standard Deviation		0.2%	0%

Stream 2013-01-17

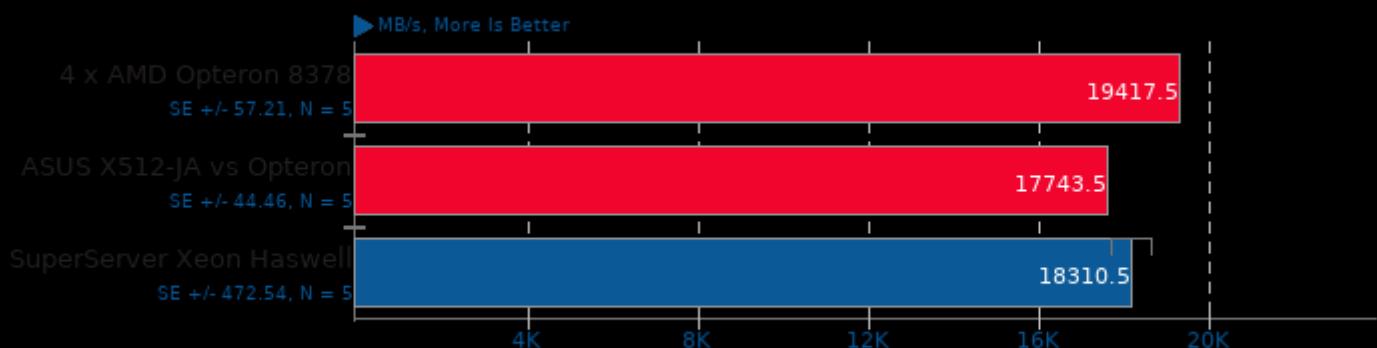
Type: Copy



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

Stream 2013-01-17

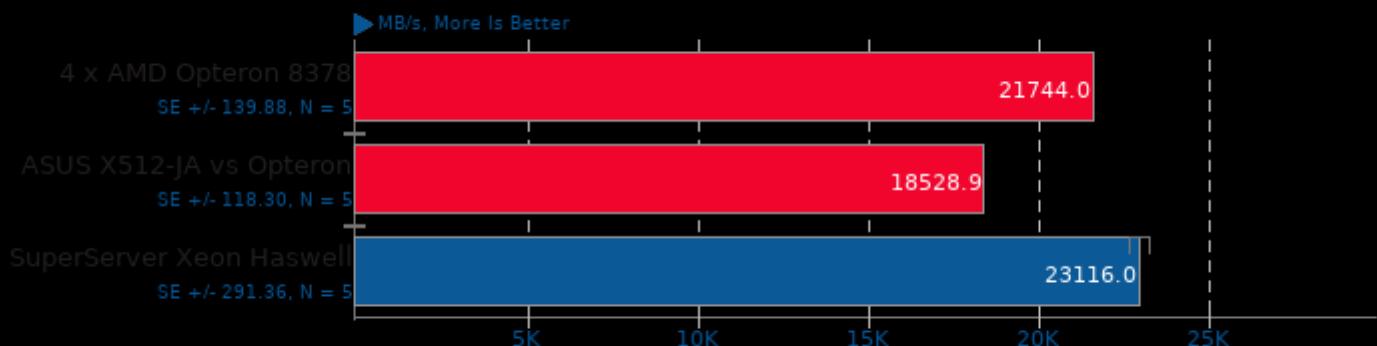
Type: Scale



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

Stream 2013-01-17

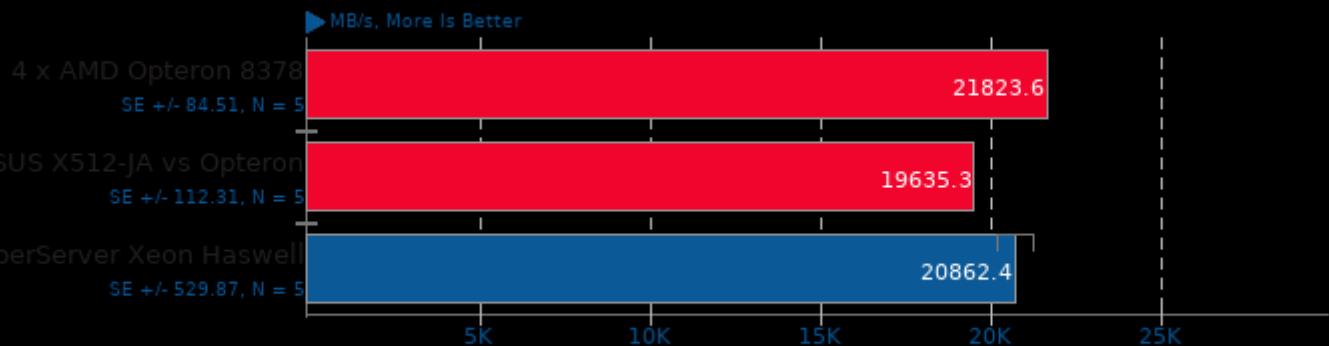
Type: Triad



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

Stream 2013-01-17

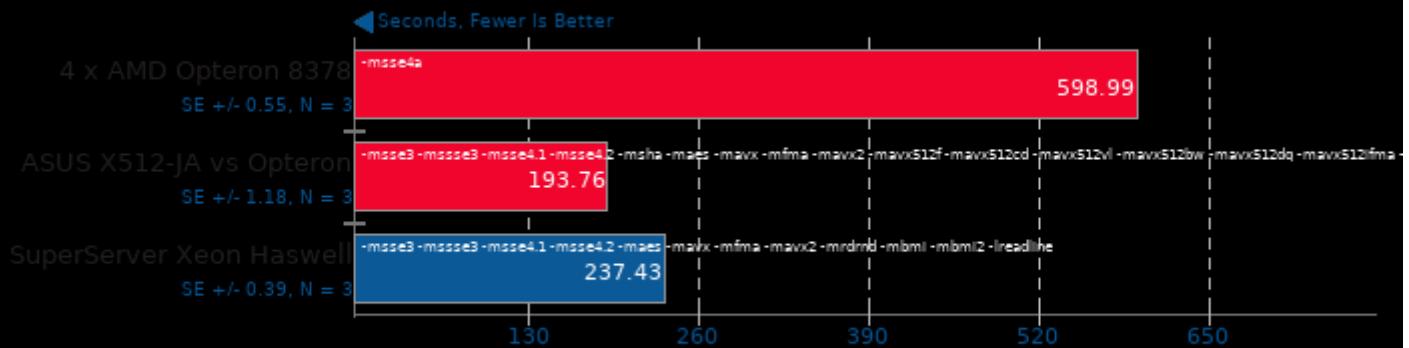
Type: Add



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

Timed MrBayes Analysis 3.2.7

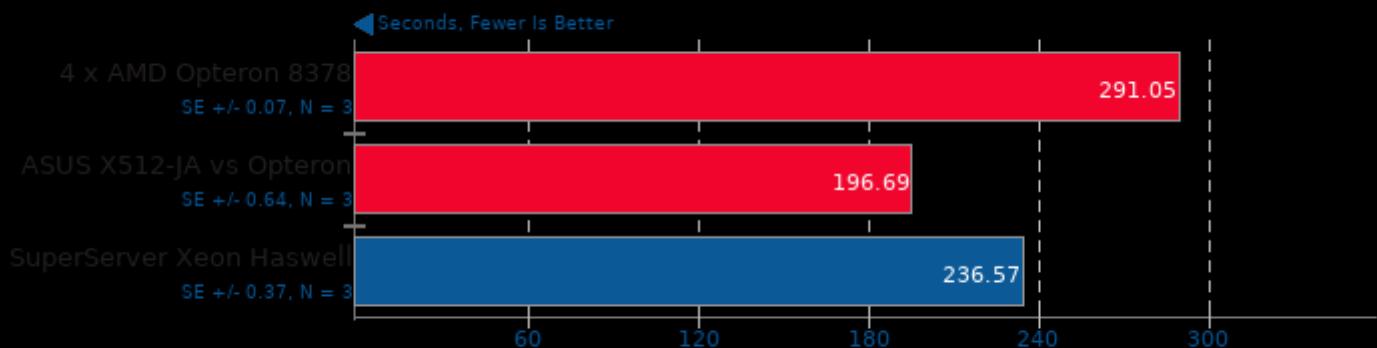
Primate Phylogeny Analysis



1. (CC) gcc options: -mmmx -msse -msse2 -mabm -O3 -std=c99 -pedantic -lm

Timed HMMer Search 3.3.2

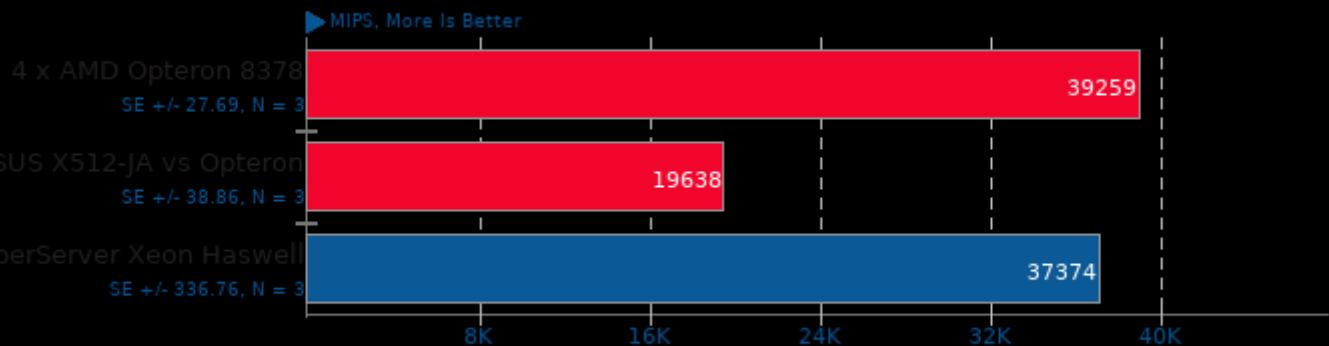
Pfam Database Search



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

7-Zip Compression 21.06

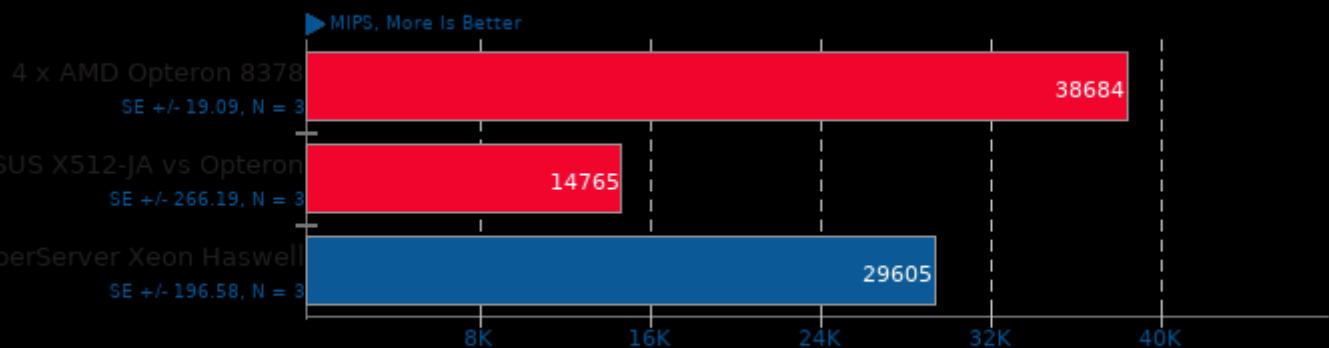
Test: Compression Rating



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

7-Zip Compression 21.06

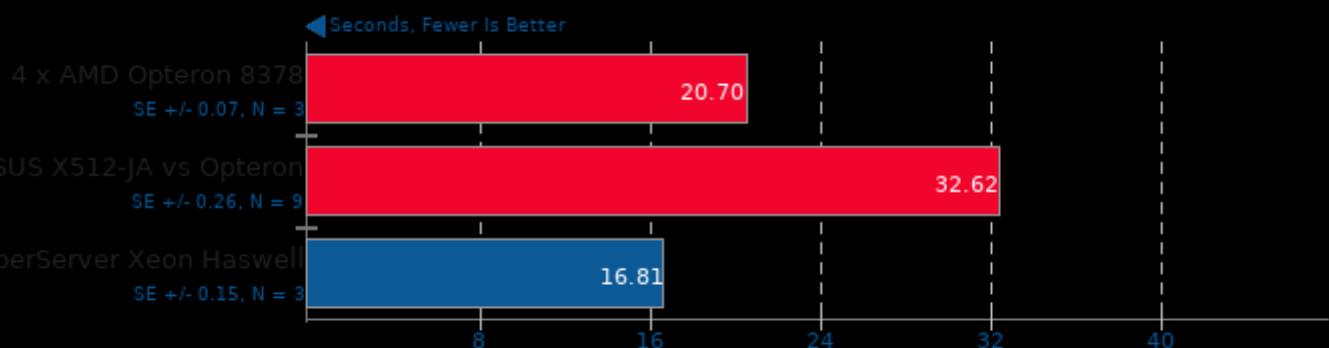
Test: Decompression Rating



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

Parallel BZIP2 Compression 1.1.13

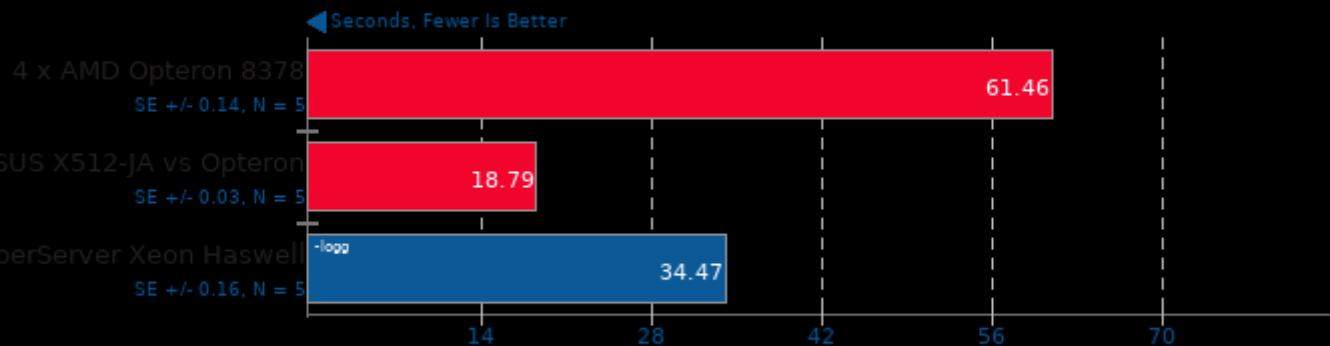
FreeBSD-13.0-RELEASE-amd64-memstick.img Compression



1. (CXX) g++ options: -O2 -lpthread -lbz2 -lpthread

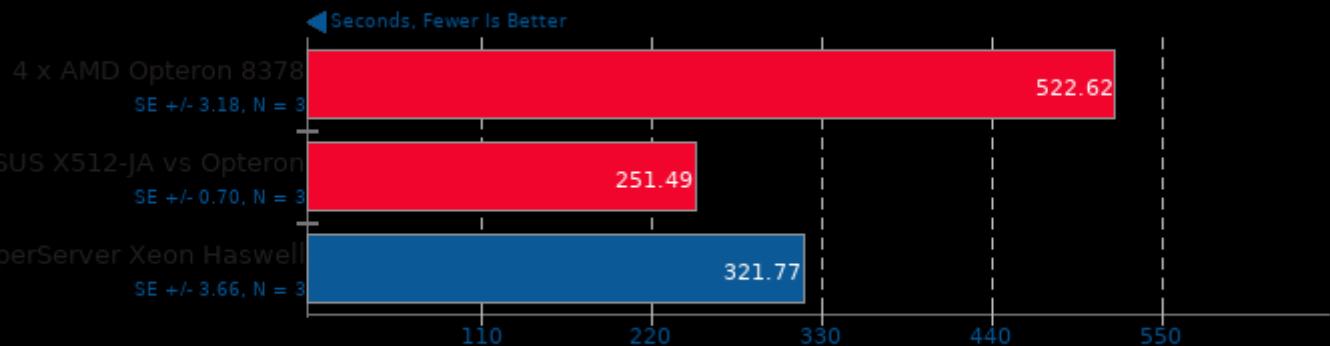
FLAC Audio Encoding 1.3.3

WAV To FLAC



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

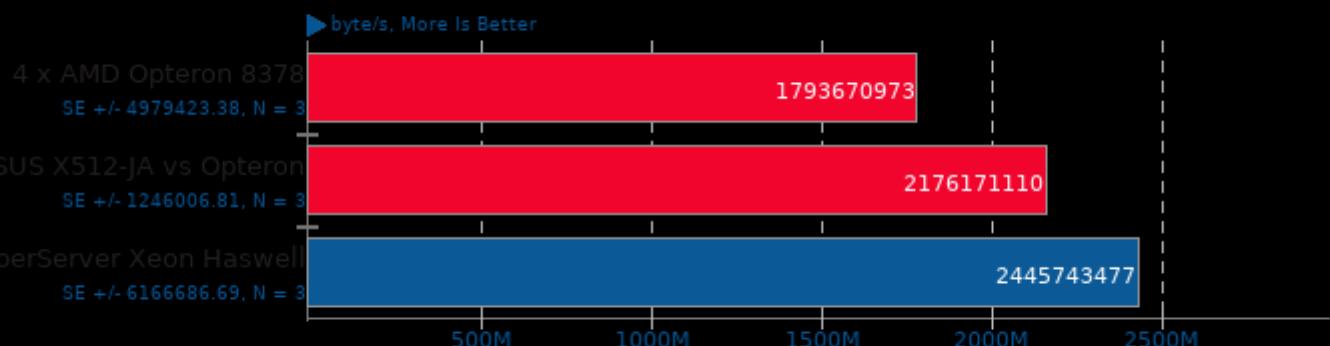
Gcrypt Library 1.9



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

OpenSSL 3.0

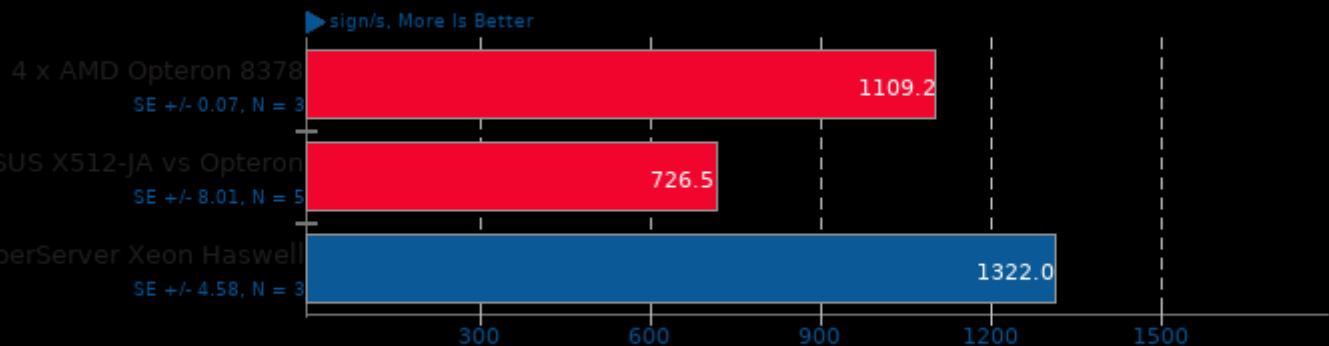
Algorithm: SHA256



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

OpenSSL 3.0

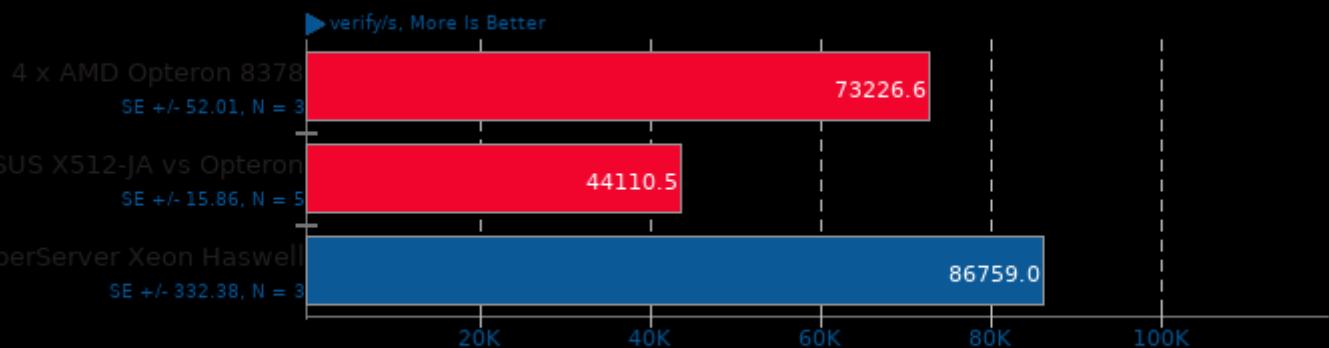
Algorithm: RSA4096



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

OpenSSL 3.0

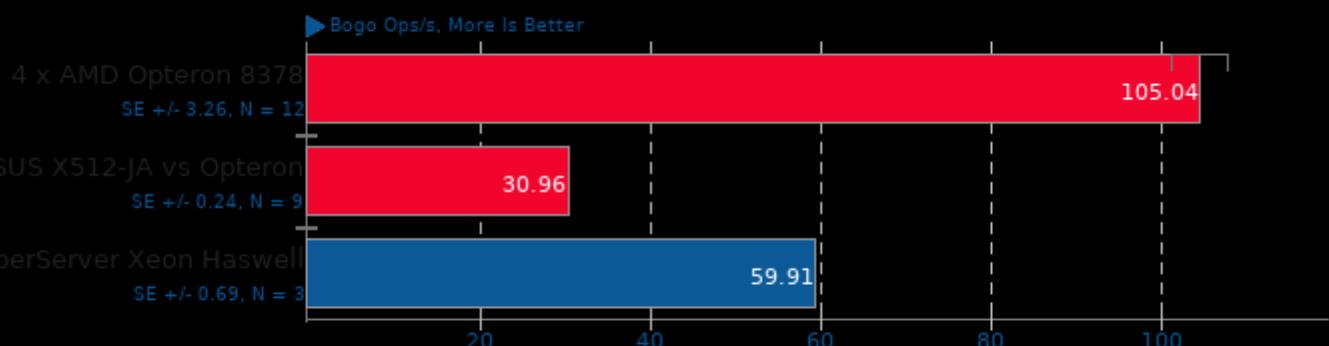
Algorithm: RSA4096



1. (CC) gcc options: -pthread -m64 -O3 -lssl -lcrypto -ldl

Stress-NG 0.13.02

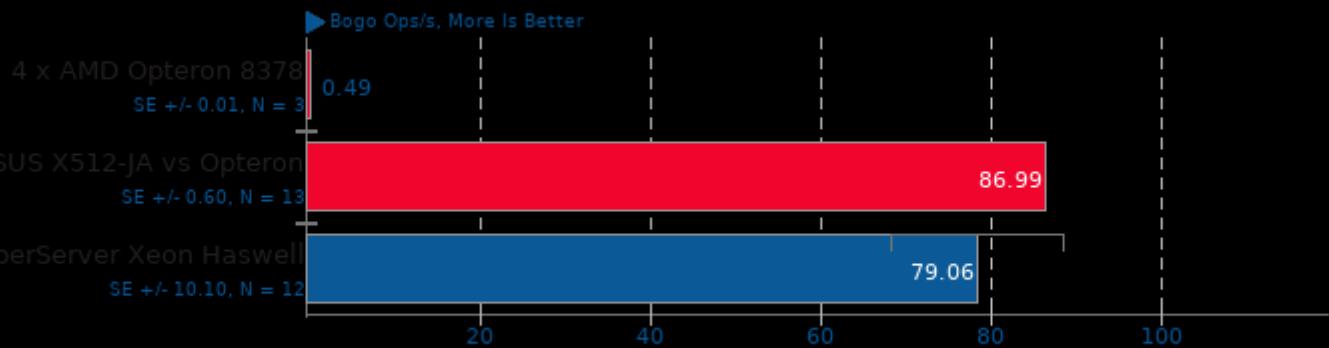
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

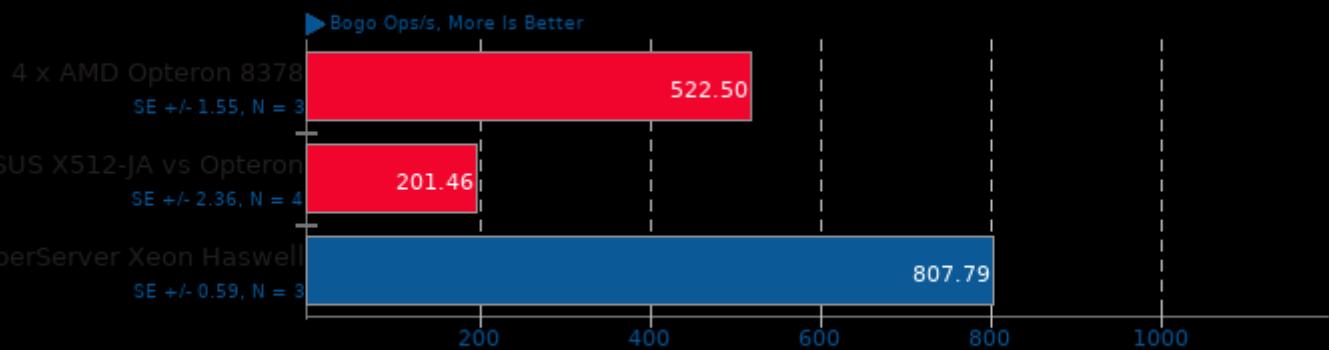
Test: NUMA



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

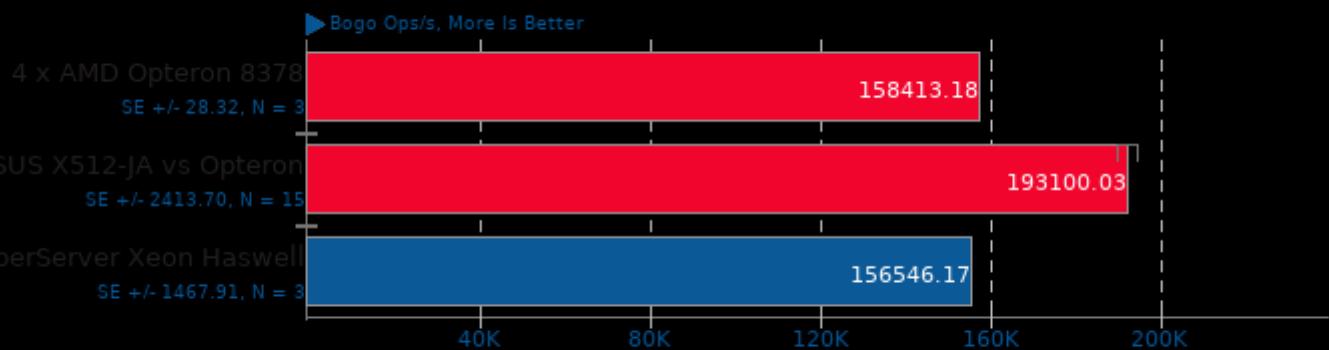
Test: MEMFD



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

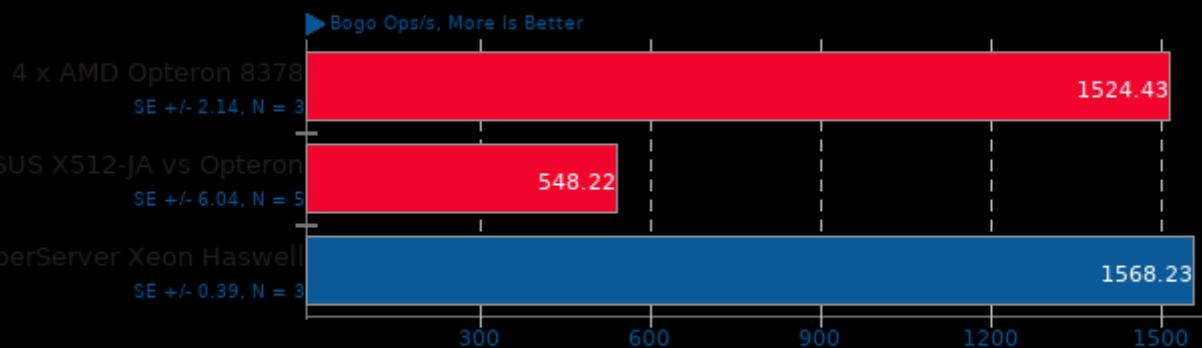
Test: Atomic



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

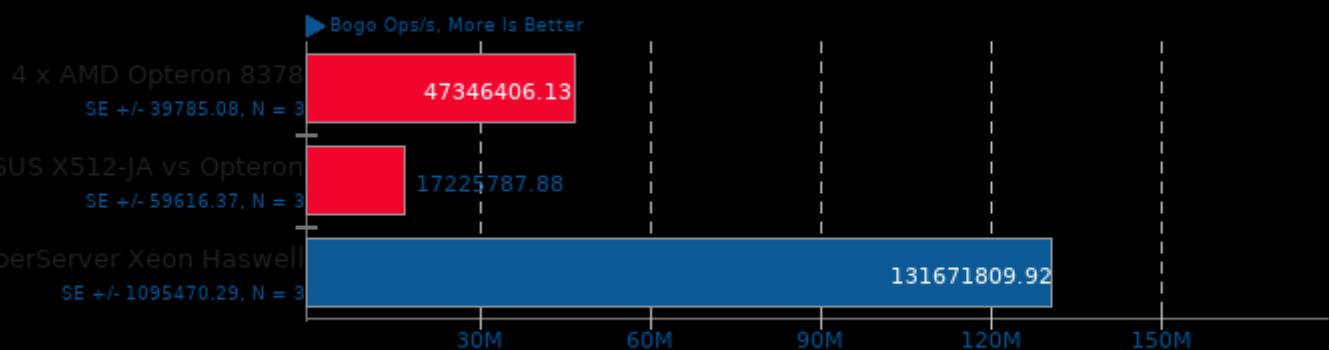
Test: Crypto



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

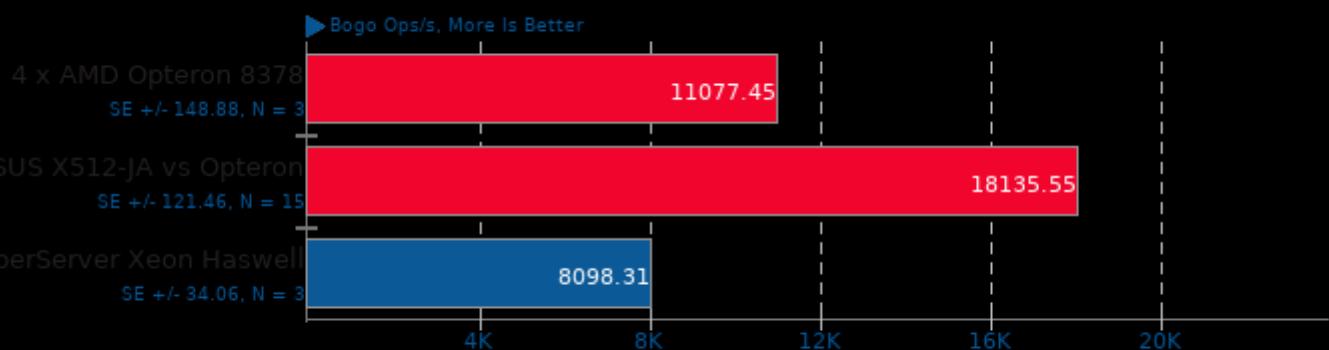
Test: Malloc



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

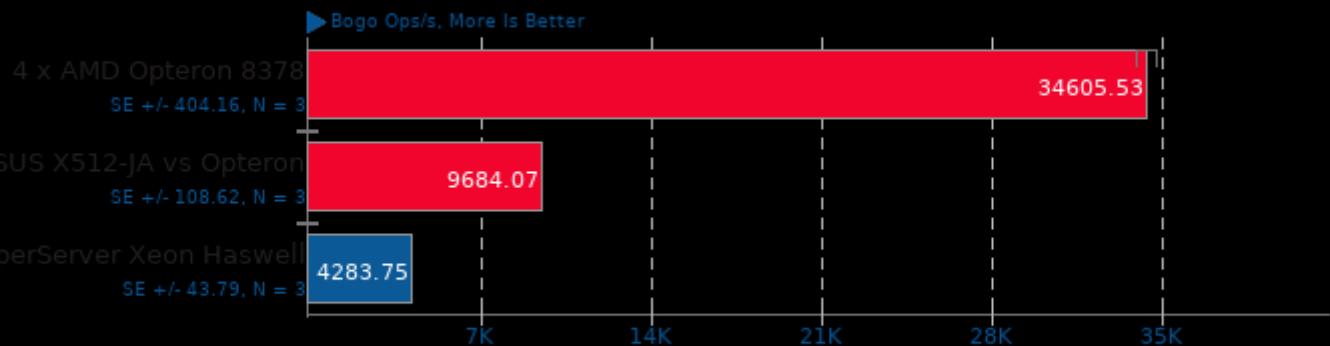
Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

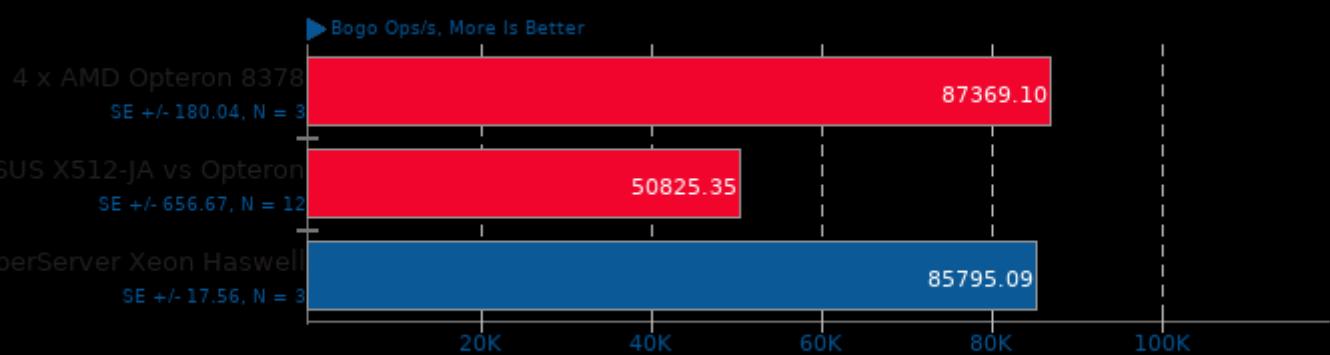
Test: IO_uring



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

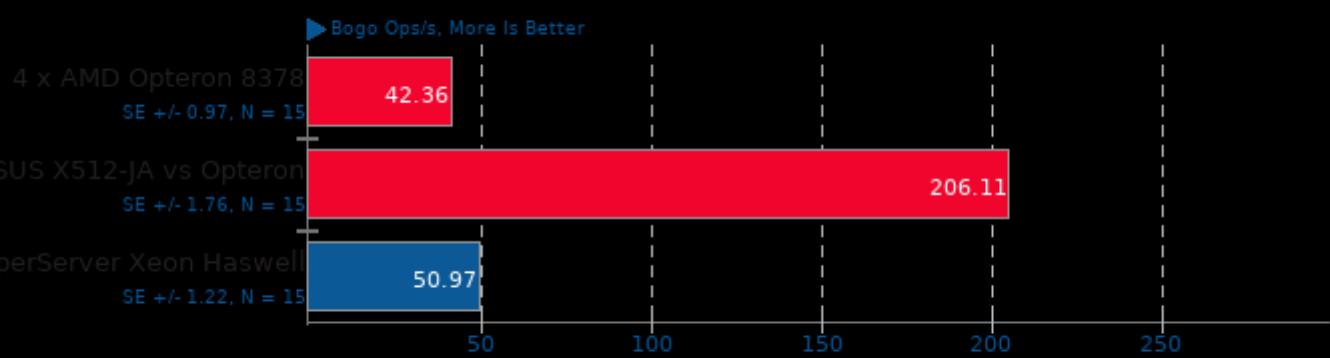
Test: SENDFILE



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

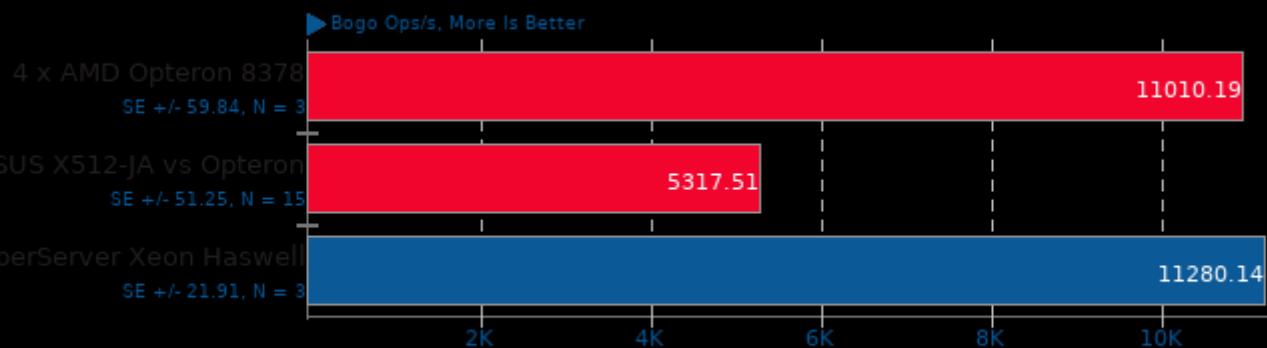
Test: CPU Cache



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

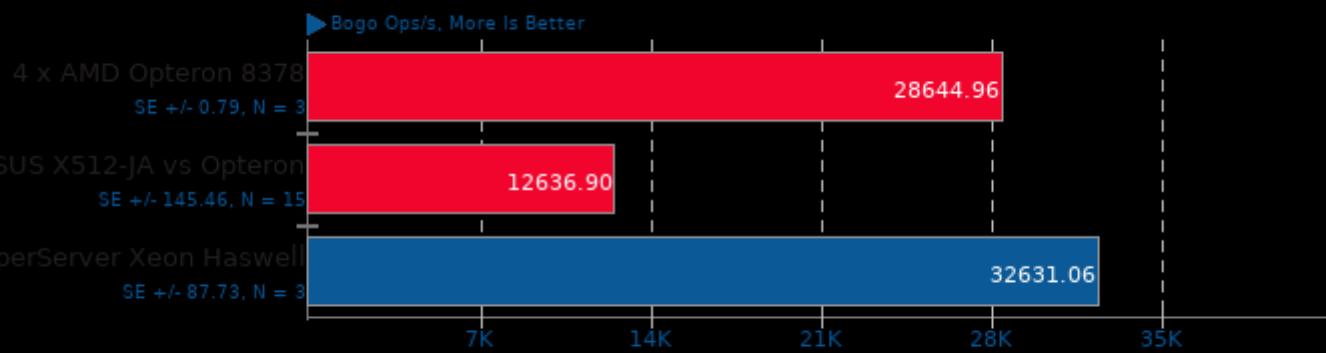
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

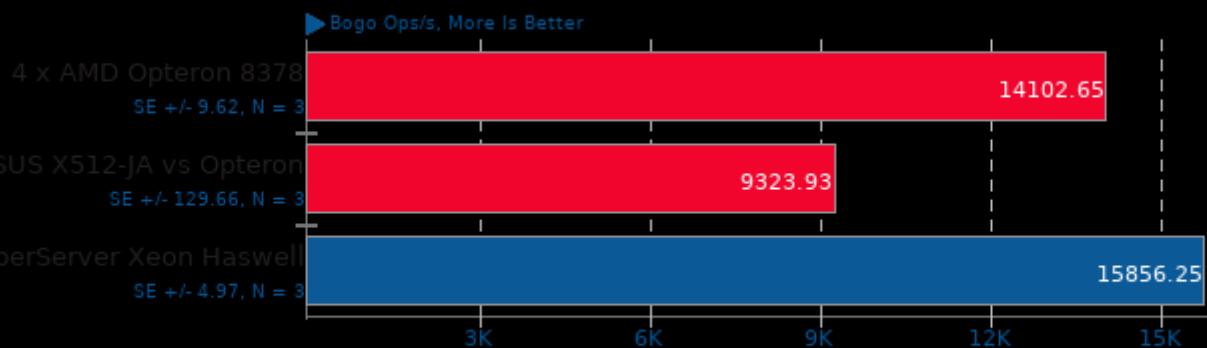
Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

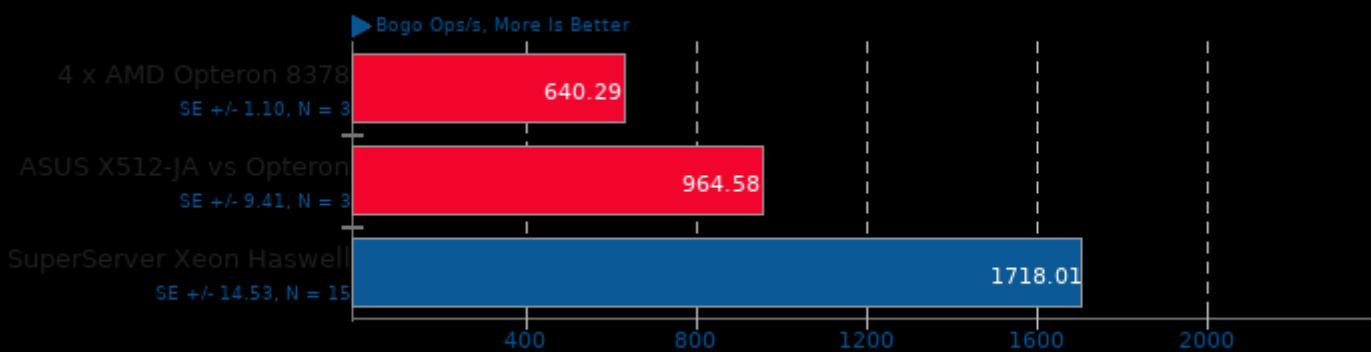
Test: Vector Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

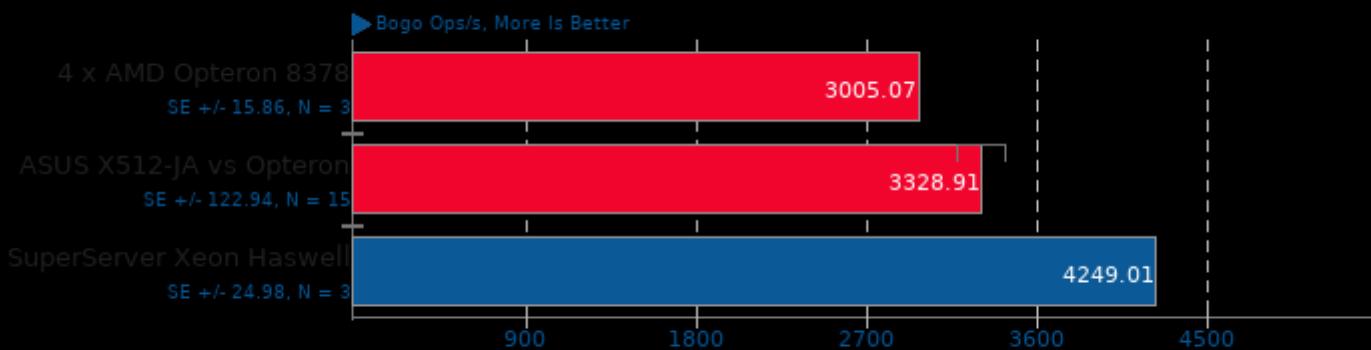
Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

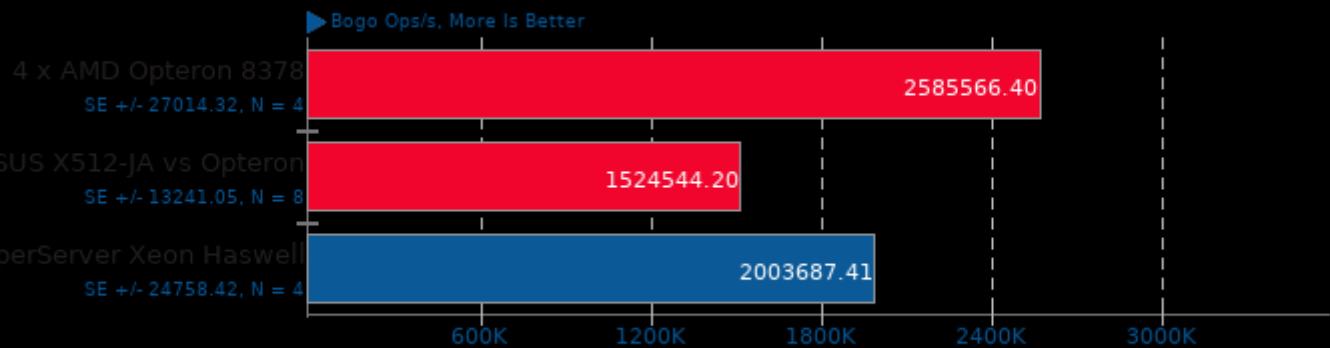
Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

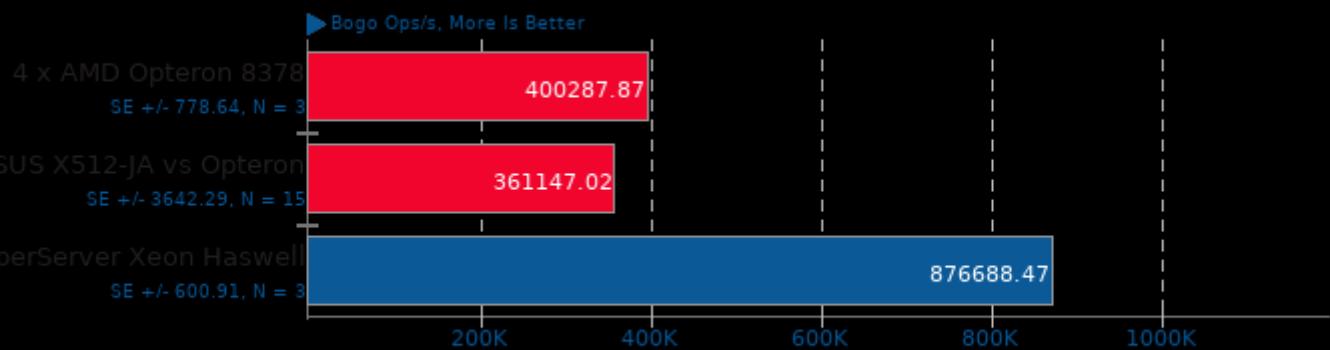
Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

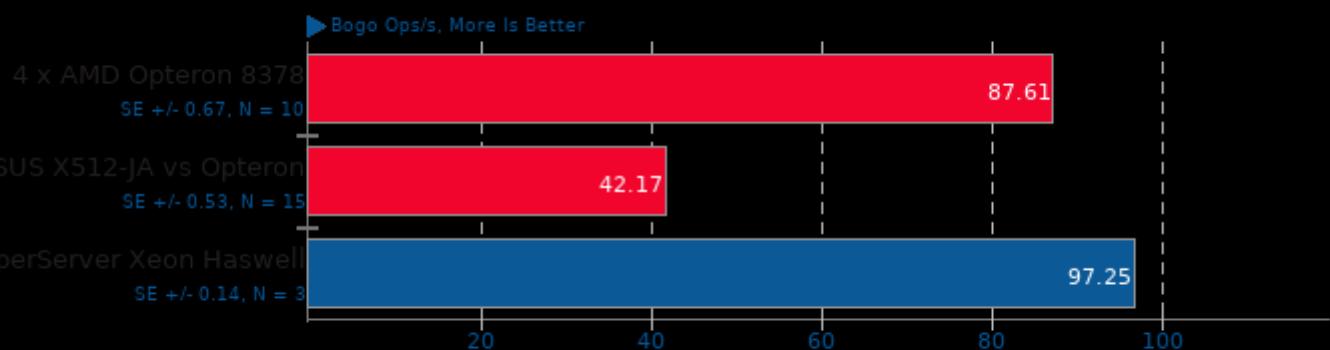
Test: Glibc C String Functions



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

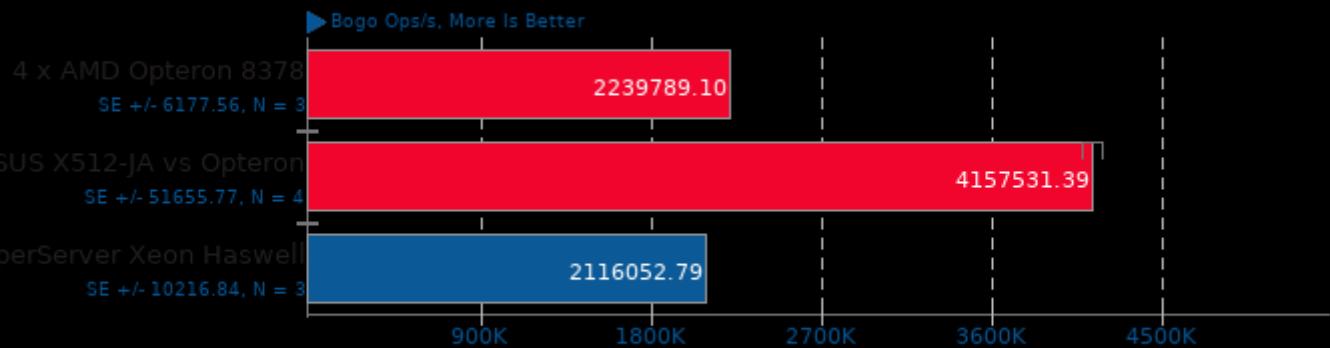
Test: Glibc Qsort Data Sorting



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

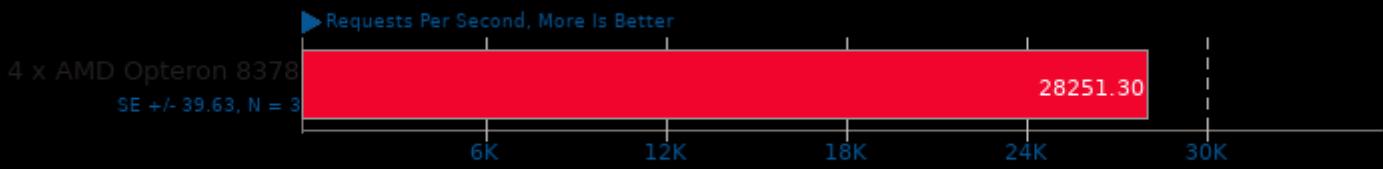
Test: System V Message Passing



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

nginx 1.21.1

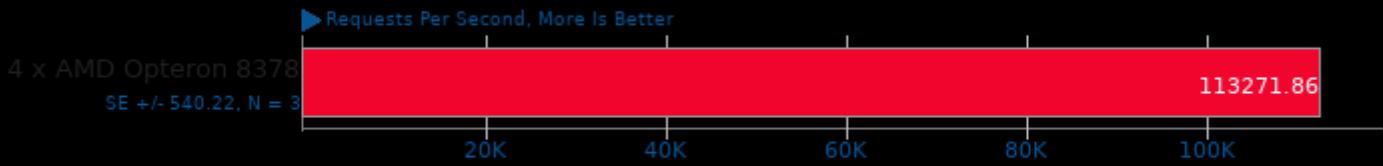
Concurrent Requests: 1



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

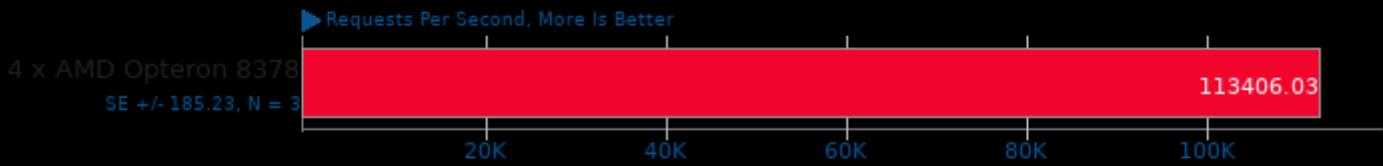
Concurrent Requests: 20



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

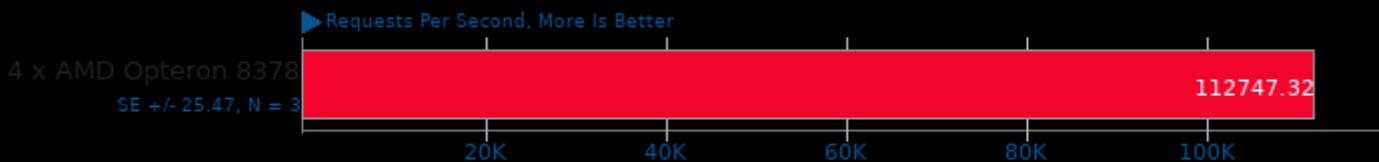
Concurrent Requests: 100



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

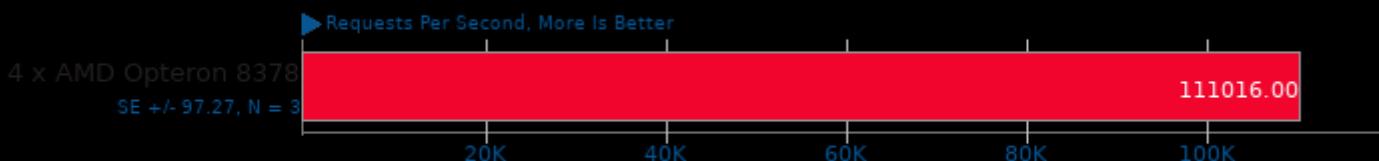
Concurrent Requests: 200



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

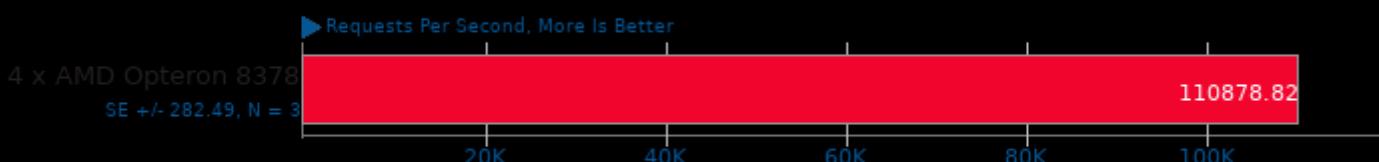
Concurrent Requests: 500



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

nginx 1.21.1

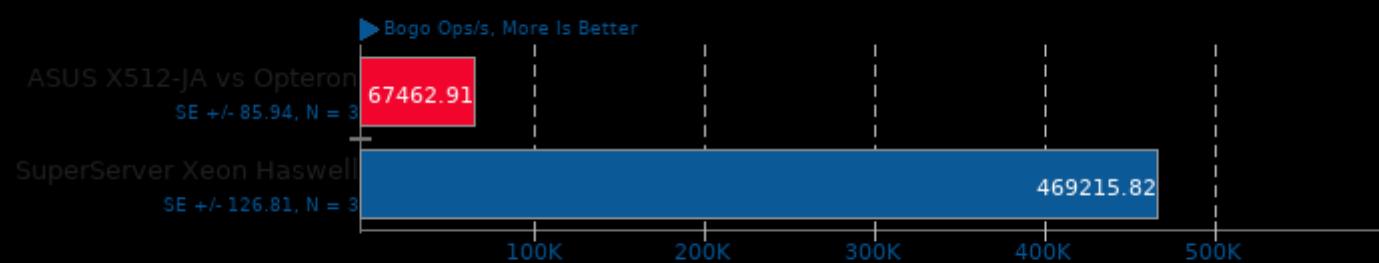
Concurrent Requests: 1000



1. (CC) gcc options: -ldl -lpthread -lcrypt -lz -O3 -march=native

Stress-NG 0.13.02

Test: RdRand

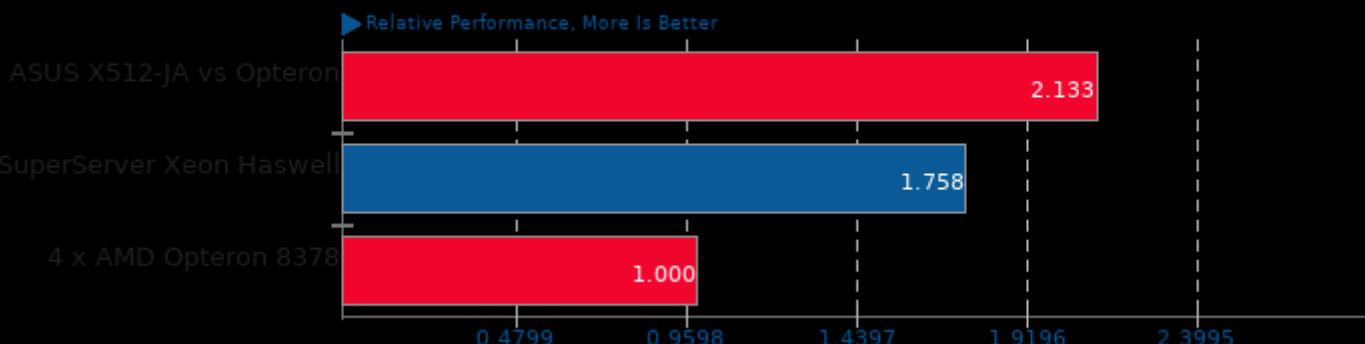


1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lrt -lz -ldl -pthread -lc -latomic

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

Geometric Mean Of Bioinformatics Tests

Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/mrbayes and pts/hmmer

Geometric Mean Of C/C++ Compiler Tests

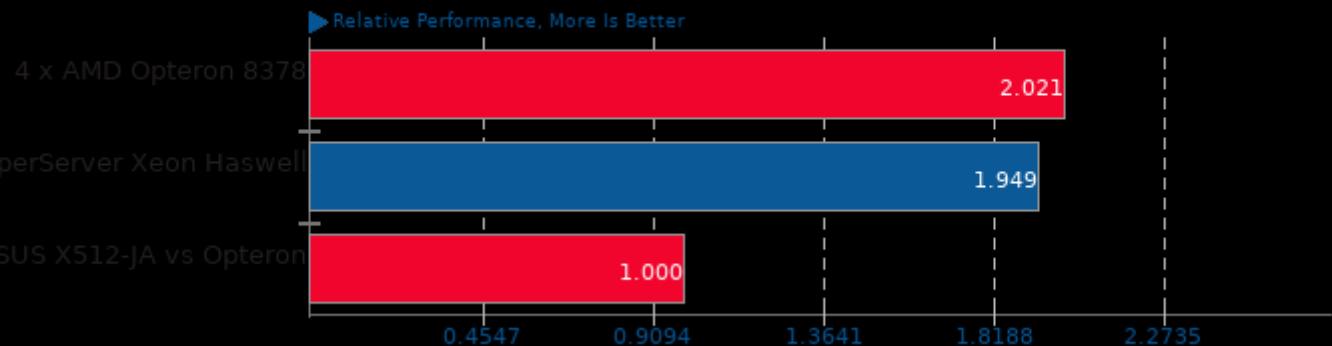
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/hmmer, pts/compress-7zip, pts/encode-flac, pts/mrbayes, pts/openssl and pts/nginx

Geometric Mean Of Compression Tests

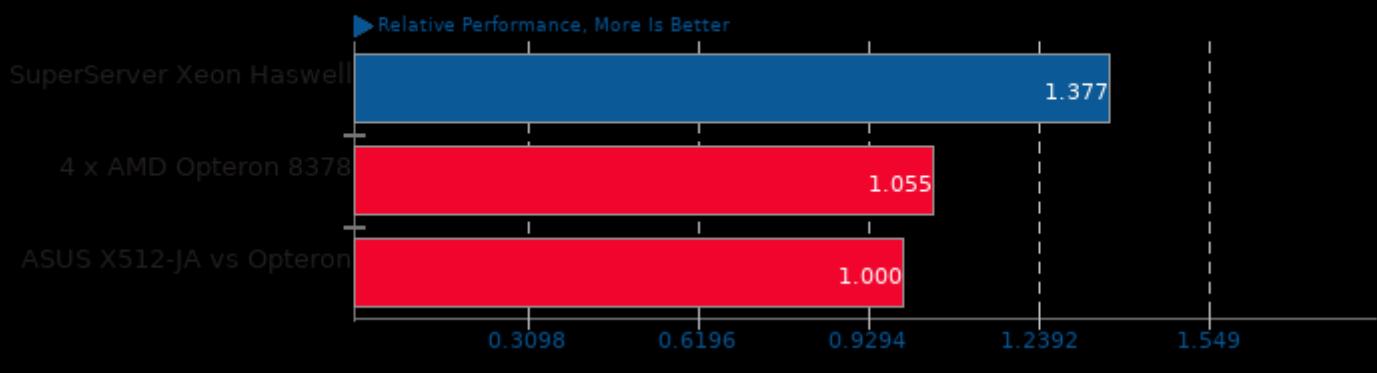
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/compress-7zip and pts/compress-pbzip2

Geometric Mean Of CPU Massive Tests

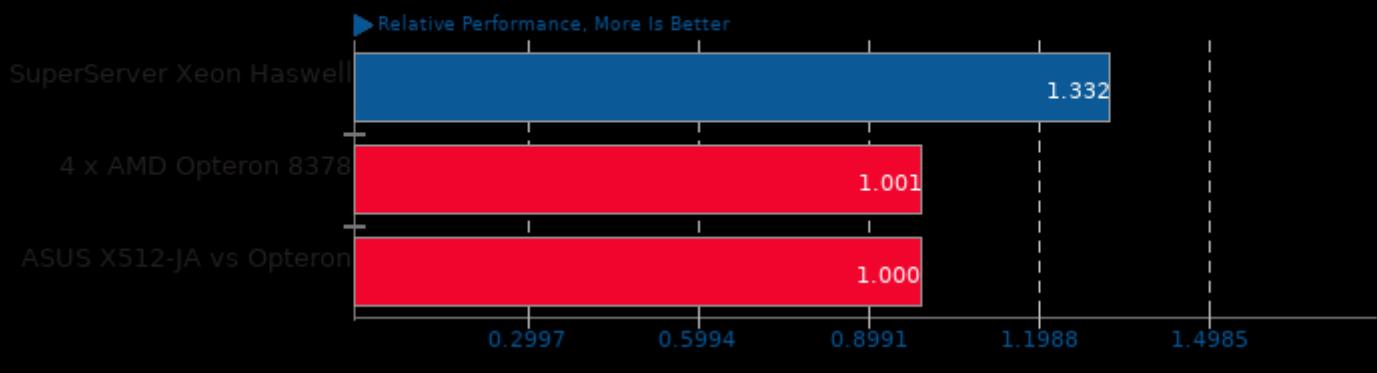
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/compress-7zip, pts/compress-pbzip2, pts/encode-flac, pts/hammer, pts/openssl, pts/mrbayes, pts/nginx, pts/stream and pts/stress-ng

Geometric Mean Of Cryptography Tests

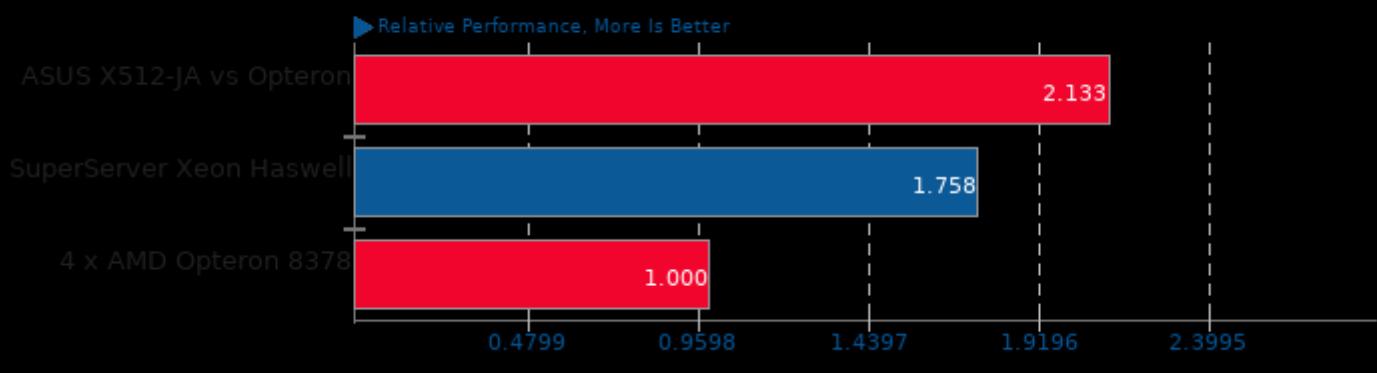
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/openssl and pts/gcrypt

Geometric Mean Of HPC - High Performance Computing Tests

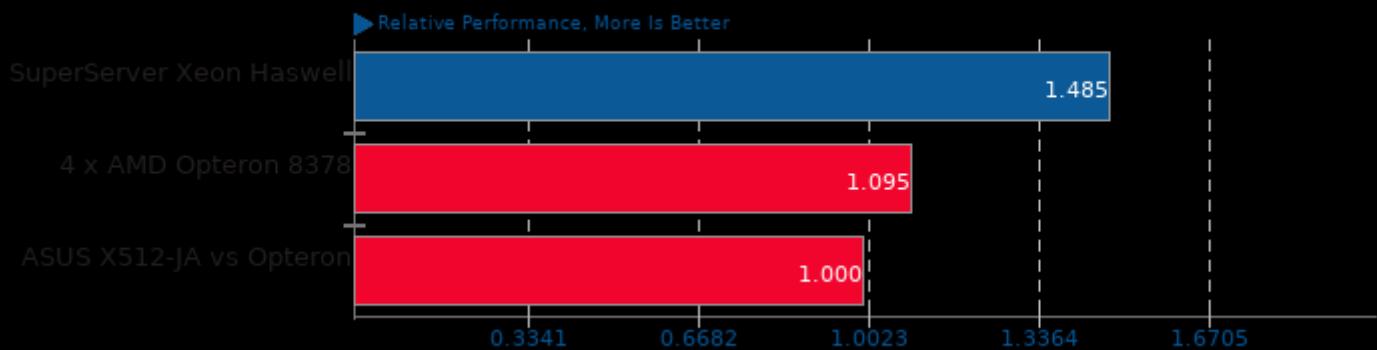
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/mrbayes and pts/hammer

Geometric Mean Of Common Kernel Benchmarks Tests

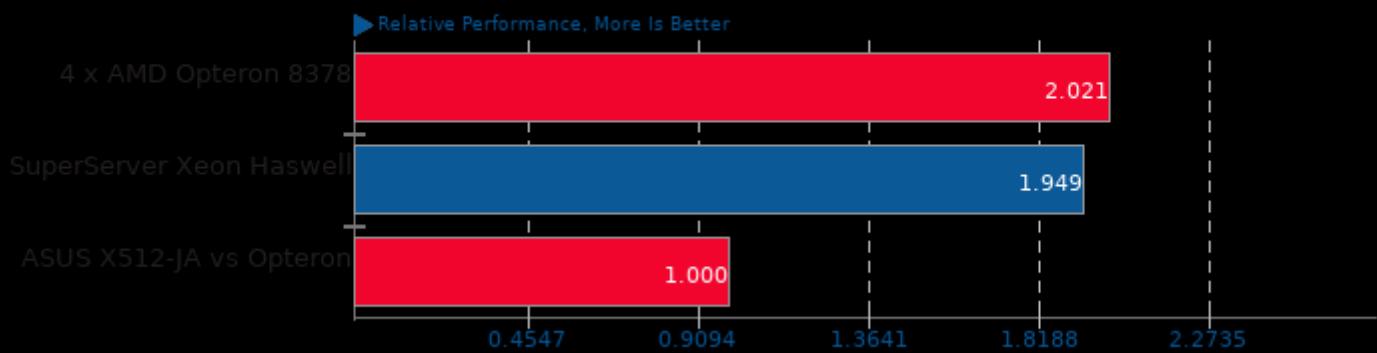
Result Composite - 2022-05-06-0933



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

Geometric Mean Of Multi-Core Tests

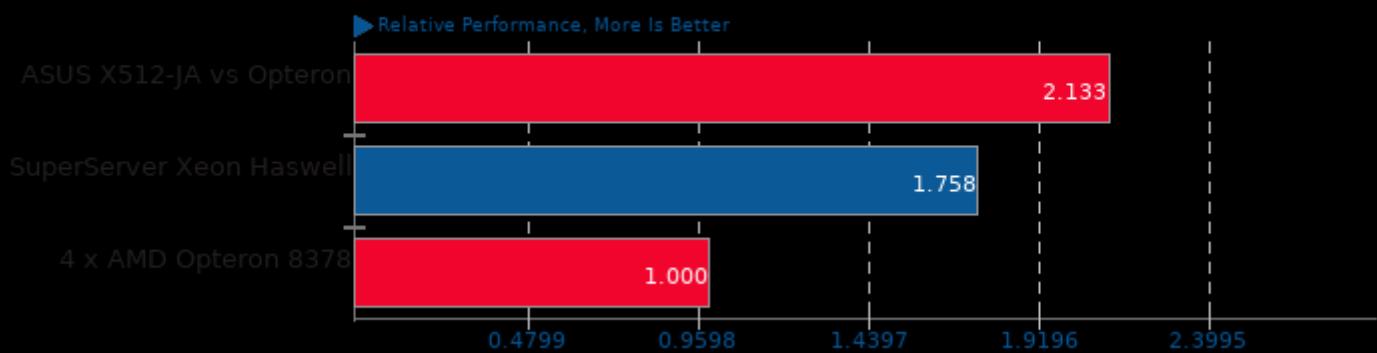
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/compress-7zip and pts/compress-pbzip2

Geometric Mean Of OpenMPI Tests

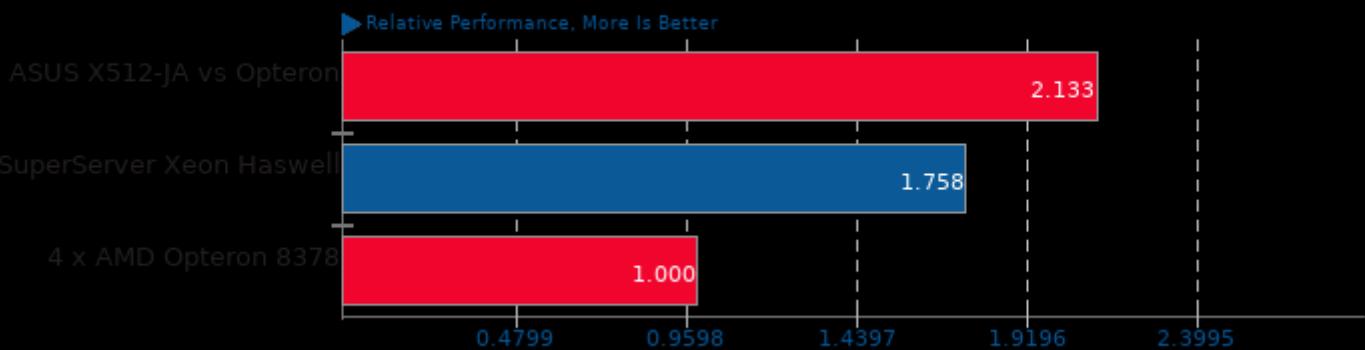
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/mrbayes and pts/hmmer

Geometric Mean Of Scientific Computing Tests

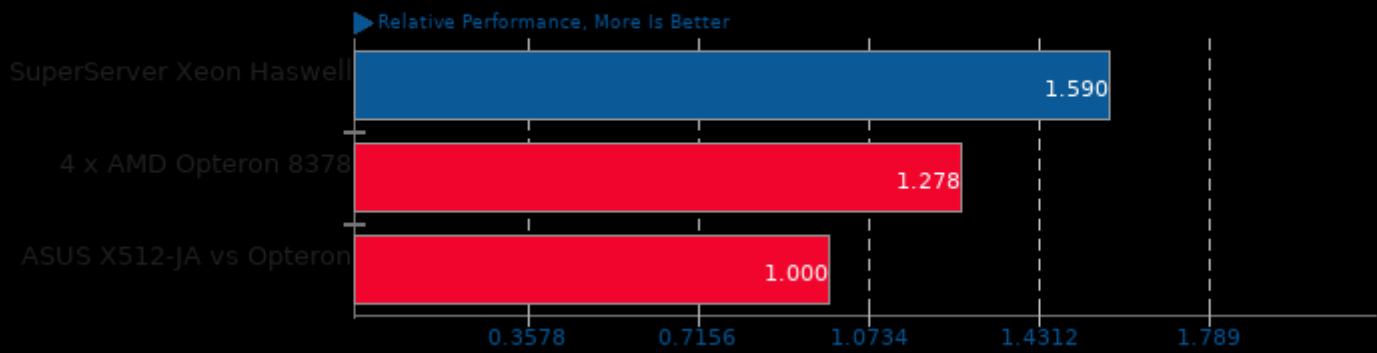
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/mrbayes and pts/hmmer

Geometric Mean Of Server Tests

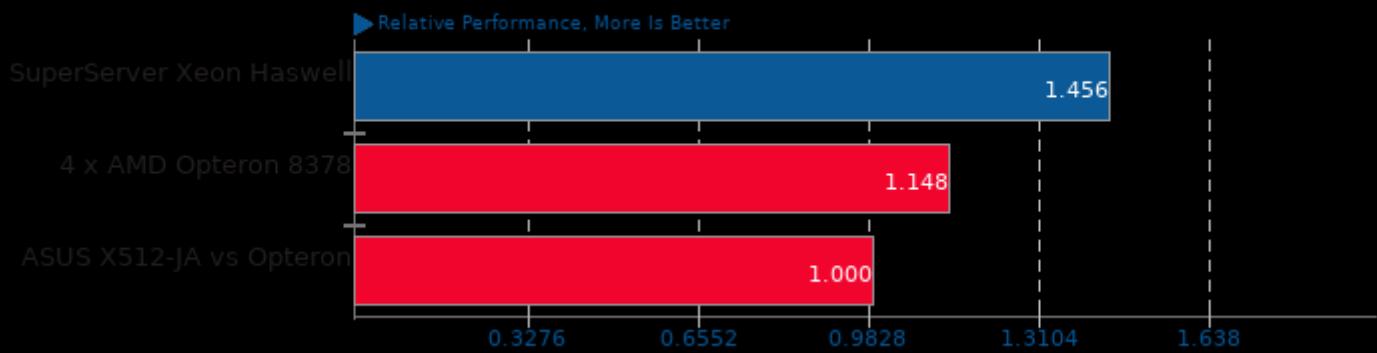
Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/nginx and pts/openssl

Geometric Mean Of Server CPU Tests

Result Composite - 2022-05-06-0933



Geometric mean based upon tests: pts/compress-7zip, pts/openssl, pts/stress-ng and pts/stream

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:55.