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4.4.0-111

2 x Intel Xeon E5-2620 0 testing with a Supermicro X9DRD-7LN4F (3.0a BIOS) and Matrox s MGA G200eW WPCM450 on Ubuntu 14.04 via the Phoronix Test Suite.

Test Systems:

111 kernel run

Processor: 2 x Intel Xeon E5-2620 v2 @ 2.60GHz (12 Cores / 24 Threads), Motherboard: Supermicro X9DRD-7LN4F (3.2 BIOS), Chipset: Intel Xeon E7 v2/Xeon, Memory: 16 x 16384 MB DDR3-1333MHz Micron 36KSF2G72PZ-1G6N1, Disk: 36 x 6001GB HGST HUS726060AL + 120GB KINGSTON SUV400S, Graphics: Matrox s MGA G200eW WPCM450, Network: Intel I350 Gigabit Connection

OS: Ubuntu 14.04, Kernel: 4.4.0-111-generic (x86_64), Compiler: GCC 4.8.4, File-System: ext4

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-libmudflap --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw

Processor Notes: Scaling Governor: intel_pstate performance
Python Notes: Python 2.7.6 + Python 3.4.3
Security Notes: KPTI Protection

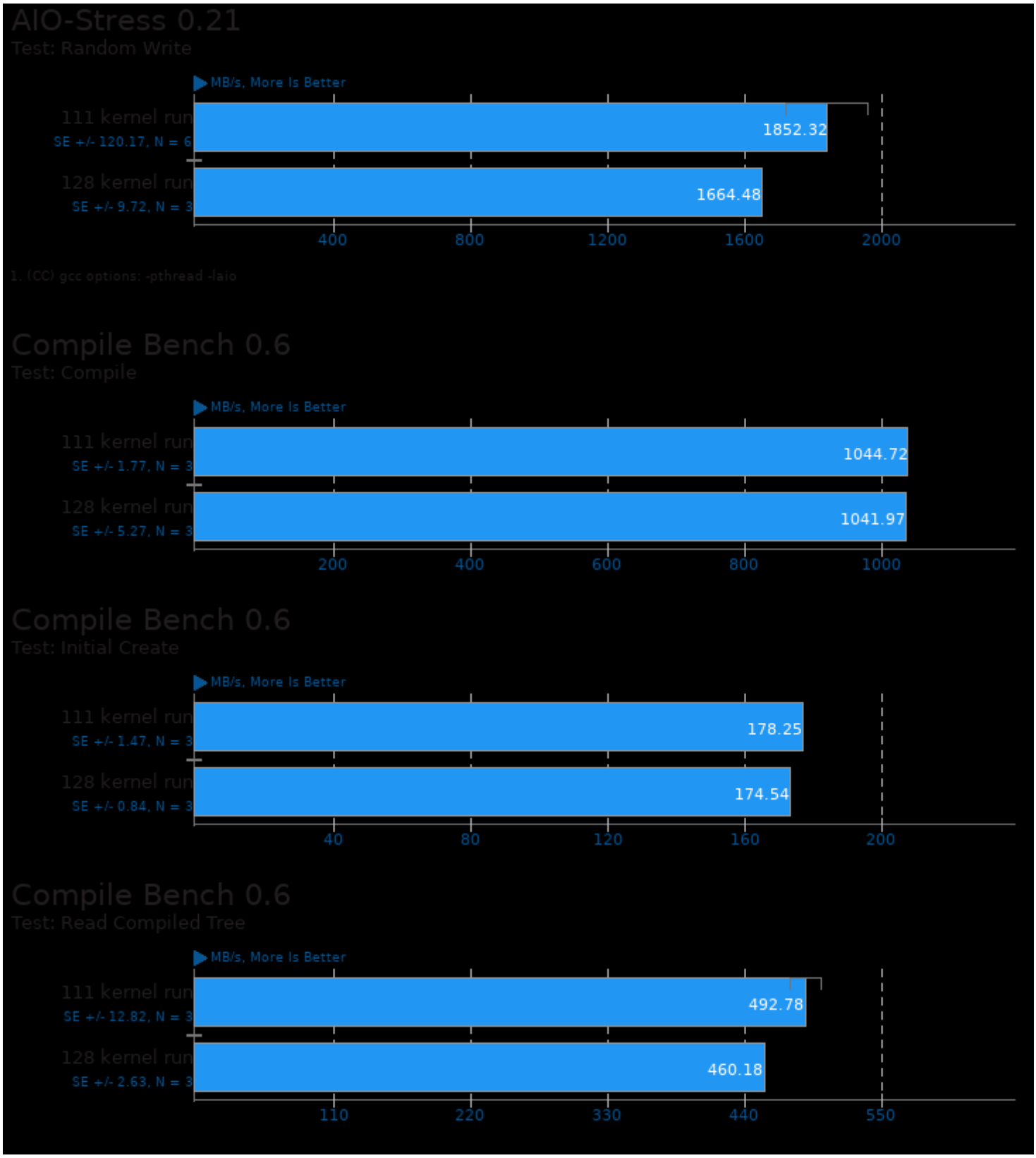
128 kernel run

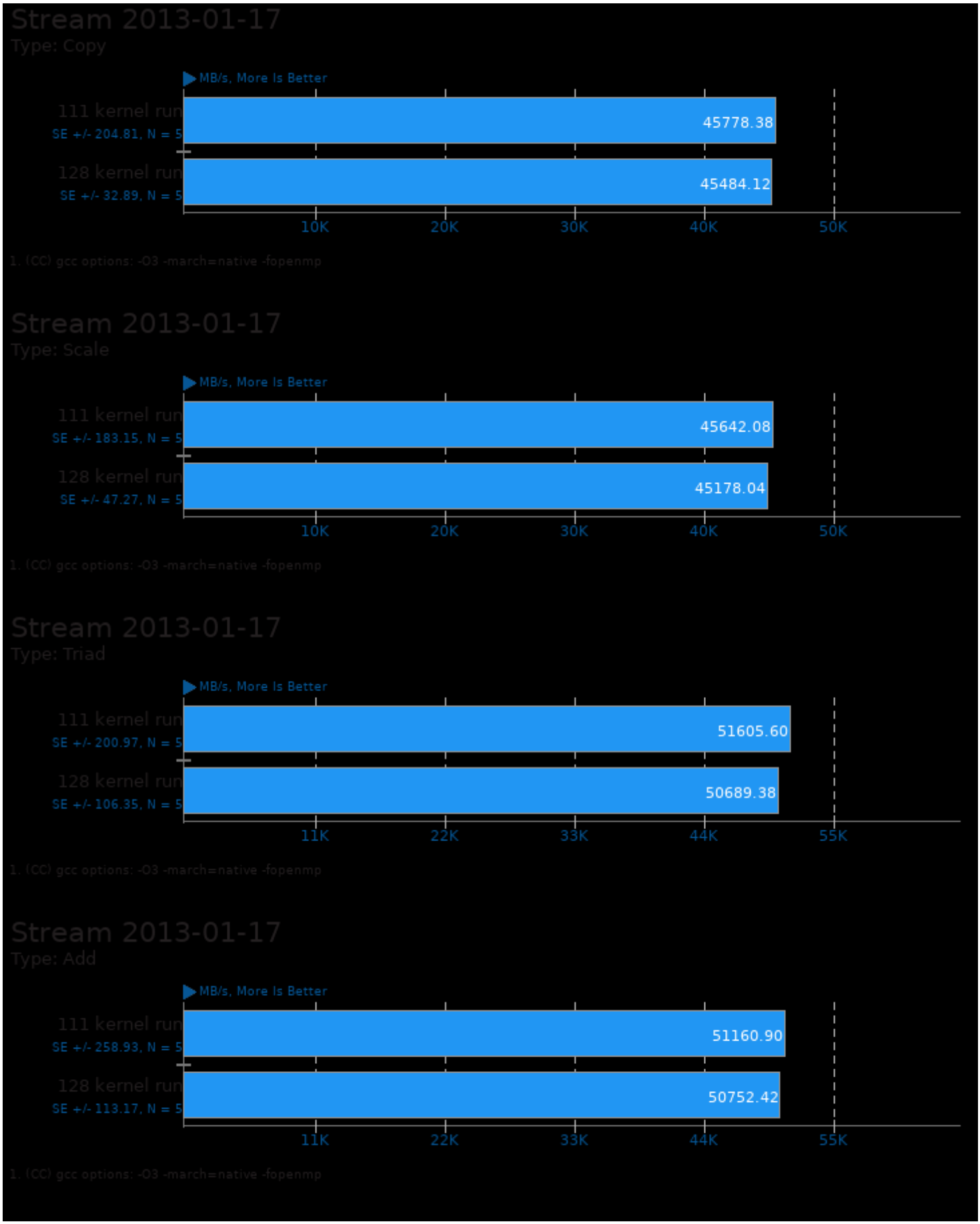
Processor: 2 x Intel Xeon E5-2620 0 @ 2.50GHz (12 Cores / 24 Threads), Motherboard: Supermicro X9DRD-7LN4F (3.0a BIOS), Chipset: Intel Xeon E5/Core, Memory: 8 x 16384 MB DDR3-1333MHz Micron 36KSF2G72PZ-1G6N1, Disk: 19 x 1000GB Western Digital WD1003FBYZ-0 + 120GB KINGSTON SUV400S + 17 x 1000GB Western Digital WD1003FBYX-0, Graphics: Matrox s MGA G200eW WPCM450, Network: Intel I350 Gigabit Connection

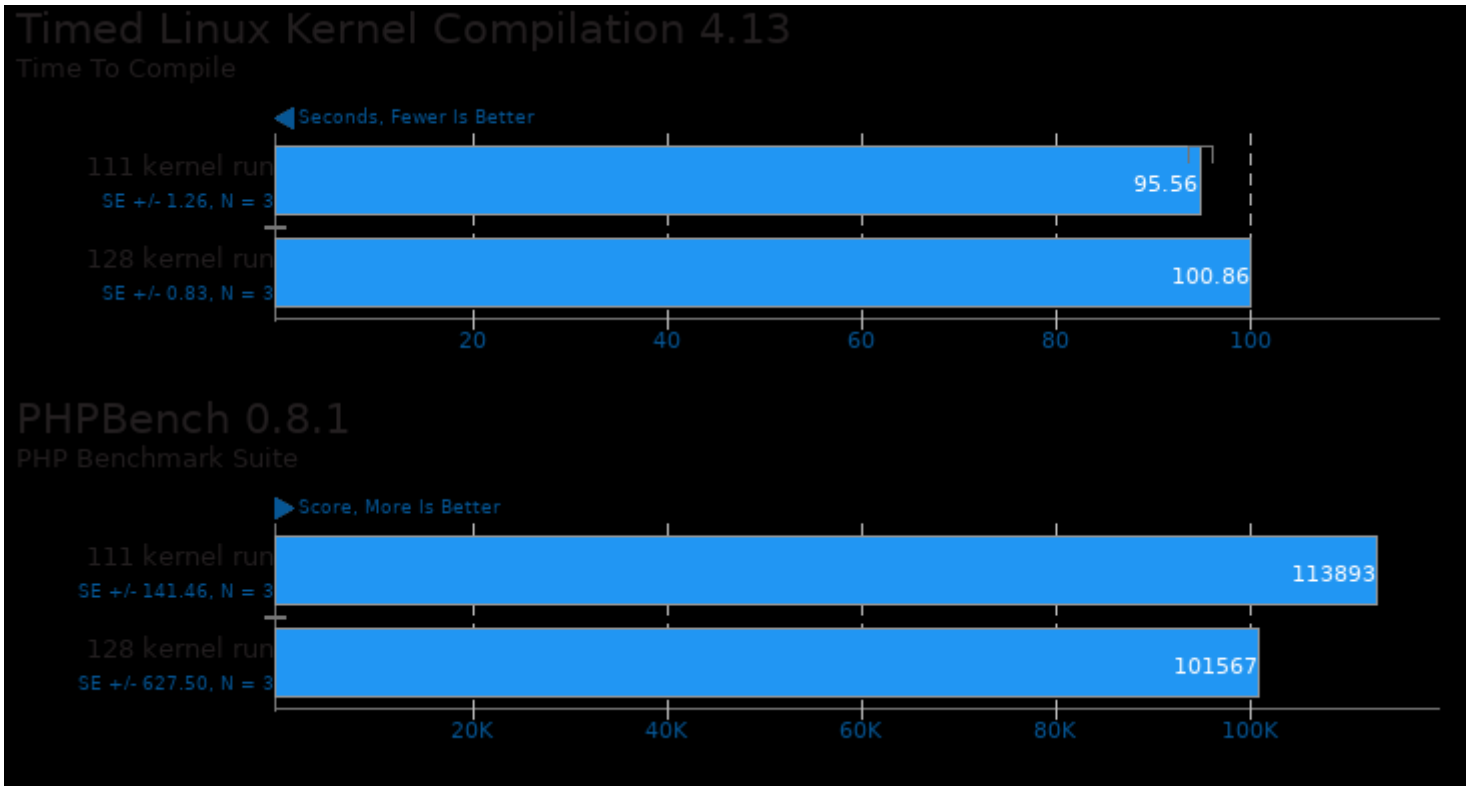
OS: Ubuntu 14.04, Kernel: 4.4.0-128-generic (x86_64), Compiler: GCC 4.8.4, File-System: ext4

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-libmudflap --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,c++,java,go,d,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
Processor Notes: Scaling Governor: intel_pstate performance
Python Notes: Python 2.7.6 + Python 3.4.3
Security Notes: KPTI + OSB (observable speculation barrier Intel v6) + Full generic retpoline Protection

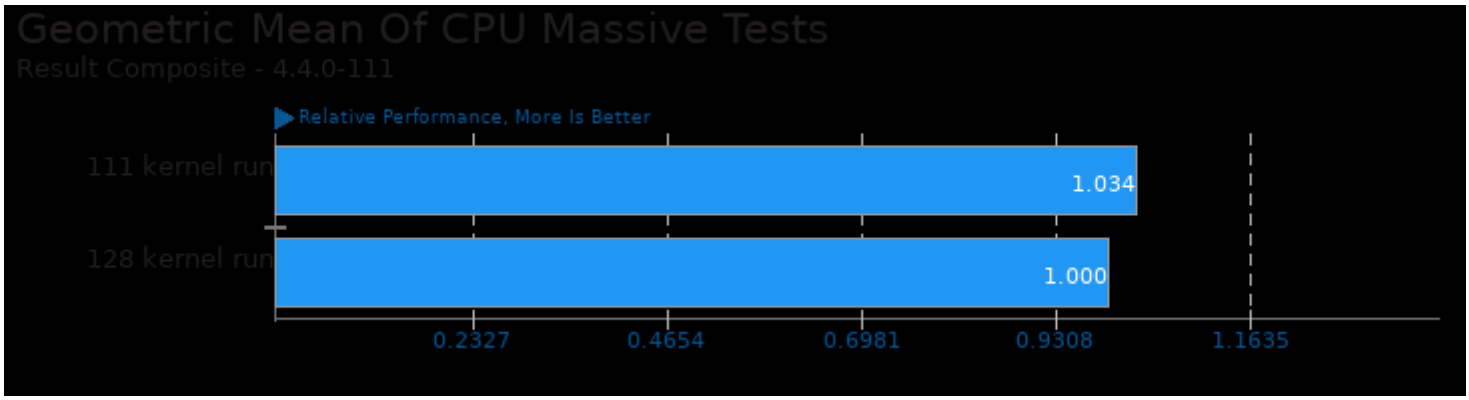
	111 kernel run	128 kernel run
AIO-Stress - Rand Write (MB/s)	**1852**	**1664**
Normalized	100%	89.86%
Standard Deviation	15.9%	1%
Compile Bench - Compile (MB/s)	**1045**	**1042**
Normalized	100%	99.74%
Standard Deviation	0.3%	0.9%
Compile Bench - Initial Create (MB/s)	**178.25**	**174.54**
Normalized	100%	97.92%
Standard Deviation	1.4%	0.8%
Compile Bench - Read Compiled Tree (MB/s)	**492.78**	**460.18**
Normalized	100%	93.38%
Standard Deviation	4.5%	1%
Stream - Copy (MB/s)	**45778**	**45484**
Normalized	100%	99.36%
Standard Deviation	1%	0.2%
Stream - Scale (MB/s)	**45642**	**45178**
Normalized	100%	98.98%
Standard Deviation	0.9%	0.2%
Stream - Triad (MB/s)	**51606**	**50689**
Normalized	100%	98.22%
Standard Deviation	0.9%	0.5%
Stream - Add (MB/s)	**51161**	**50752**
Normalized	100%	99.2%
Standard Deviation	1.1%	0.5%
Timed Linux Kernel Compilation - Time To Compile	**95.56**	**100.86**
Normalized	100%	94.75%
Standard Deviation	2.3%	1.4%
PHPBench - P.B.S (Score)	**113893**	**101567**
Normalized	100%	89.18%
Standard Deviation	0.2%	1.1%


AIO-Stress 0.21
Test: Random Write
MB/s, More Is Better
111 kernel run
SE +/- 120.17, N = 6
1852.32
128 kernel run
SE +/- 9.72, N = 3
1664.48
400
800
1200
1600
2000
1: (CC) gcc options: -pthread -laio
Compile Bench 0.6
Test: Compile
MB/s, More Is Better
111 kernel run
SE +/- 1.77, N = 3
1044.72
128 kernel run
SE +/- 5.27, N = 3
1041.97
200
400
600
800
1000
Compile Bench 0.6
Test: Initial Create
MB/s, More Is Better
111 kernel run
SE +/- 1.47, N = 3
178.25
128 kernel run
SE +/- 0.84, N = 3
174.54
40
80
120
160
200
Compile Bench 0.6
Test: Read Compiled Tree
MB/s, More Is Better
111 kernel run
SE +/- 12.82, N = 3
492.78
128 kernel run
SE +/- 2.63, N = 3
460.18
110
220
330
440
550

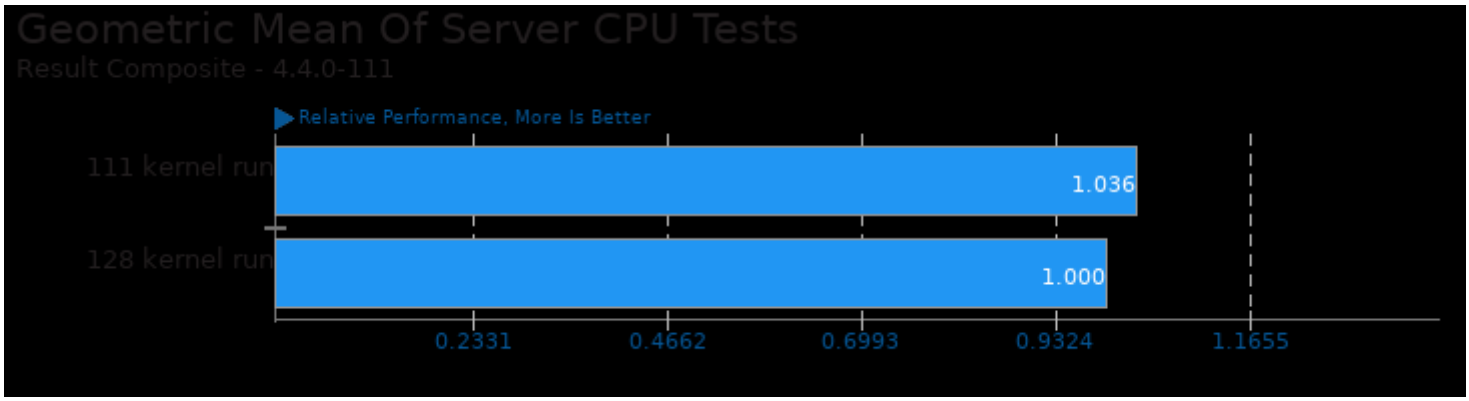

Stream 2013-01-17
Type: Copy
MB/s, More Is Better
111 kernel run
SE +/- 204.81, N = 5
45778.38
128 kernel run
SE +/- 32.89, N = 5
45484.12
10K
20K
30K
40K
50K
1. (CC) gcc options: -O3 -march=native -fopenmp
Stream 2013-01-17
Type: Scale
MB/s, More Is Better
111 kernel run
SE +/- 183.15, N = 5
45642.08
128 kernel run
SE +/- 47.27, N = 5
45178.04
10K
20K
30K
40K
50K
1. (CC) gcc options: -O3 -march=native -fopenmp
Stream 2013-01-17
Type: Triad
MB/s, More Is Better
111 kernel run
SE +/- 200.97, N = 5
51605.60
128 kernel run
SE +/- 106.35, N = 5
50689.38
11K
22K
33K
44K
55K
1. (CC) gcc options: -O3 -march=native -fopenmp
Stream 2013-01-17
Type: Add
MB/s, More Is Better
111 kernel run
SE +/- 258.93, N = 5
51160.90
128 kernel run
SE +/- 113.17, N = 5
50752.42
11K
22K
33K
44K
55K
1. (CC) gcc options: -O3 -march=native -fopenmp


Timed Linux Kernel Compilation 4.13
Time To Compile
Seconds, Fewer Is Better
111 kernel run
SE +/- 1.26, N = 3
95.56
128 kernel run
SE +/- 0.83, N = 3
100.86
20
40
60
80
100
PHPBench 0.8.1
PHP Benchmark Suite
Score, More Is Better
111 kernel run
SE +/- 141.46, N = 3
113893
128 kernel run
SE +/- 627.50, N = 3
101567
20K
40K
60K
80K
100K

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



Geometric mean based upon tests: pts/build-linux-kernel, pts/compilebench, pts/phpbench and pts/stream



Geometric mean based upon tests: pts/build-linux-kernel, pts/phpbench and pts/stream

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 16:35.