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nosystemd-showdown

Mobile AMD Sempron 3500+ testing with a Dell 0WY383 (2.6.3 BIOS) and ATI RS480 128MB on Slackware 14.2 x86_64 via the Phoronix Test Suite.

Automated Executive Summary

nitrx had the most wins, coming in first place for 21% of the tests.

Based on the geometric mean of all complete results, the fastest (MX-19.3) was 1.215x the speed of the slowest (devuan). absolute was 0.974x the speed of MX-19.3, nitrx was 0.995x the speed of absolute, gentoo was 0.989x the speed of nitrx, slackware-current was 0.997x the speed of gentoo, slackware-stable was 0.99x the speed of slackware-current, pclinuxos was 0.985x the speed of slackware-stable, antiX-19 was 0.99x the speed of pclinuxos, alpine was 0.978x the speed of antiX-19, freebsd was 0.99x the speed of alpine, devuan was 0.922x the speed of freebsd.

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

Stress-NG (Test: NUMA) at 16.814x

Stress-NG (Test: CPU Cache) at 11.866x

Stress-NG (Test: Forking) at 11.336x

Stress-NG (Test: Semaphores) at 8.826x

PostgreSQL pgbench (Scaling: Buffer Test - Test: Single Thread - Mode: Read Write) at 5.916x

Stress-NG (*Test: Glibc C String Functions*) at 5.608x

pmbench (*Concurrent Worker Threads: 1 - Read-Write Ratio: 80% Reads 20% Writes*) at 5.125x

Stress-NG (*Test: Glibc Qsort Data Sorting*) at 3.964x

Stress-NG (*Test: Vector Math*) at 3.445x

Stress-NG (*Test: MMAP*) at 3x.

Test Systems:

slackware-stable

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: AMD Mobility Radeon Xpress 200 128MB, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Slackware 14.2, Kernel: 4.4.227 (x86_64), Desktop: Xfce 4.12, Display Server: X Server 1.18.3, Display Driver: radeon 7.7.0, OpenGL: 2.1 Mesa 11.2.2 Gallium 0.4, Compiler: GCC 5.5.0 + Clang 3.8.0 + LLVM 3.8.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --build=x86_64-slackware-linux --disable-gtktest --disable-install-liberty --disable-libunwind-exceptions --disable-multilib --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-java-awt=gtk --enable-java-home --enable-languages=ada,c,c++,fortran,go,java,ito,objc --enable-libssp --enable-libstdcxx-dual-abi --enable-ito --enable-objc-gc --enable-shared --enable-threads=posix --host=x86_64-slackware-linux --mandir=/usr/man --target=x86_64-slackware-linux --verbose --with-antlr-jar=/tmp/slackware64-14.2/gcc/antlr-runtime-3.4.jar --with-arch-directory=amd64 --with-default-libstdcxx-abi=gcc4-compatible --with-gnu-ld --with-python-dir=/lib64/python2.7/site-packages

Disk Notes: CFQ / data=ordered,relatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

slackware-current

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS + 4GB DISK, Graphics: ATI RS480 128MB, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Slackware 14.2 x86_64, Kernel: 5.4.65 (x86_64), Desktop: Xfce 4.12, Display Server: X Server 1.20.9, Display Driver: ati 19.1.0, OpenGL: 2.1 Mesa 20.1.7, Compiler: GCC 9.3.0 + Clang 10.0.1 + LLVM 10.0.1, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --build=x86_64-slackware-linux --disable-gtktest --disable-install-liberty --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-multilib --disable-werror --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=ada,brig,c,c++,d,fortran,go,ito,objc,obj-c++ --enable-libstdcxx-dual-abi --enable-ito --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-slackware-linux --mandir=/usr/man --target=x86_64-slackware-linux --verbose --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-gnu-ld --with-isl

Disk Notes: MQ-DEADLINE / relatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

pclinuxos

nosystemd-showdown

Processor: Mobile AMD Sempron 3500+ (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: ATI RS480 128MB (400/200MHz), Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: PCLinuxOS 2020, Kernel: 5.7.14-pcllos1 (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.8, Display Driver: ati 19.1.0, OpenGL: 2.1 Mesa 20.1.8, Compiler: GCC 10.2.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --build=x86_64-mandriva-linux-gnu --disable-libffi --disable-libssp --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-checking=release --enable-clocale=gnu --enable-languages=c,c++,ada,fortran,objc,obj-c++ --enable-long-long --enable-lto --enable-shared --enable-ssp --enable-threads=posix --host=x86_64-mandriva-linux-gnu --mandir=/usr/share/man --with-cpu=generic --with-isl --with-linker-hash-style=gnu --with-python-dir=/lib/python3.6/site-packages --with-slibdir=/lib64

Disk Notes: MQ_DEADLINE / relatime,rw

Processor Notes: CPU Microcode: 0x62

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 Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

antiX-19

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS + 8GB DataTraveler G3, Graphics: ATI RS480 128MB, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Debian 10, Kernel: 4.9.212-antix.1-amd64-smp (x86_64), Desktop: IceWM, Display Server: X Server 1.20.4, Display Driver: ati 19.0.1, OpenGL: 2.1 Mesa 18.3.6, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1280x800

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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v

Disk Notes: CFQ / data=ordered,relatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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 Full generic retrpoline STIBP: disabled RSB filling + tsx_async_abort: Not affected

freebsd

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell Vostro 1000, Chipset: AMD [AMD/ATI] RS480/RS482/RS485, Memory: 2048MB, Disk: 69GB, Audio: ATI SB600 HDA

OS: FreeBSD, Kernel: 12.1-RELEASE-p10 (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.9, Compiler: Clang 8.0.1 (SVN 366581), File-System: ufs, Screen Resolution: 1024x768

devuan

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: AMD Mobility Radeon Xpress 200, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Debian 3, Kernel: 4.19.0-12-686 (i686), Desktop: Xfce 4.12, Display Server: X Server 1.20.4, Display Driver:

modesetting 1.20.4, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --build=i686-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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-plugin --enable-shared --enable-targets=all --enable-threads=posix --host=i686-linux-gnu --program-prefix=i686-linux-gnu- --target=i686-linux-gnu --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic -v
Disk Notes: MQ-DEADLINE / errors=remount-ro,relatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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 Full generic retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

alpine

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS + 8GB DataTraveler G3, Graphics: AMD Mobility Radeon Xpress 200, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Alpine Linux v3.12 3.12.1, Kernel: 5.4.72-0-its (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.9, Display Driver: modesetting 1.20.9, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1280x800

Compiler Notes: --build=x86_64-alpine-linux-musl --disable-fixed-point --disable-libmpx --disable-libmudflap --disable-lbsanitizer --disable-libssp --disable-libstdcxx-pch --disable-multilib --disable-nls --disable-symvers --disable-werror --enable-_cxa_atexit --enable-checking=release --enable-cloog-backend --enable-default-pie --enable-default-ssp --enable-languages=c,c++,d,objc,fortran,ada --enable-shared --enable-threads --enable-tls --host=x86_64-alpine-linux-musl --mandir=/usr/share/man --target=x86_64-alpine-linux-musl --with-linker-hash-style=gnu
Disk Notes: MQ-DEADLINE / relatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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 Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

MX-19.3

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: ATI RS480 128MB, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Debian 10, Kernel: 4.19.0-12-amd64 (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.4, Display Driver: ati 19.0.1, OpenGL: 2.1 Mesa 18.3.6, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1280x800

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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Disk Notes: MQ-DEADLINE / relatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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 Full generic retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

gentoo

Processor: Mobile AMD Sempron 3500+ (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: AMD Mobility Radeon Xpress 200, Audio: AMD SBx00 Azalia, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Gentoo/Linux, Kernel: 5.4.72-gentoo_shldwlr (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.8,

Display Driver: modesetting 1.20.8, Compiler: GCC 9.3.0 + LLVM 10.0.1, File-System: ext4

```
Compiler Notes: --bindir=/usr/x86_64-pc-linux-gnu/gcc-bin/9.3.0 --build=x86_64-pc-linux-gnu --datadir=/usr/share/gcc-data/x86_64-pc-linux-gnu/9.3.0 --disable-esp
--disable-fixed-point --disable-libada --disable-libssp --disable-systemtap --disable-werror --enable__cxa_atexit --enable-checking=release --enable-clocale=gnu
--enable-default-pie --enable-default-ssp --enable-languages=c,c++,fortran --enable-libgomp --enable-libstdcxx-time --enable-lto --enable-multilib --enable-nls
--enable-obsolete --enable-secureplt --enable-shared --enable-targets=all --enable-threads=posix --enable-vtable-verify --host=x86_64-pc-linux-gnu
--includedir=/usr/lib/gcc/x86_64-pc-linux-gnu/9.3.0/include --mandir=/usr/share/gcc-data/x86_64-pc-linux-gnu/9.3.0/man --with-multilib-list=m32,m64
--with-python-dir=/share/gcc-data/x86_64-pc-linux-gnu/9.3.0/python --without-isl
```

Disk Notes: MQ-DEADLINE / noatime,rw

Processor Notes: CPU Microcode: 0x62

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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

nitrux

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: AMD Mobility Radeon Xpress 200, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Nitrux 1.3.4 build.301020, Kernel: 5.4.75-050475-generic (x86_64), Desktop: KDE Plasma 5.20.3, Display Server: X Server 1.20.9, Display Driver: modesetting 1.20.9, Compiler: GCC 10.2.0, File-System: btrfs, Screen Resolution: 1280x800

```
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=yes.extra,rtl --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-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto
--enable-offload-targets=nvptx-none=/build/gcc-10-1vClxM/gcc-10-10.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-1vClxM/gcc-10-10.2.0/debian/tmp-gcn/usr,hs
a --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64
--with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic
--without-cuda-driver -v
```

Disk Notes: MQ-DEADLINE / autodefrag,noatime,rw,space_cache,subvol=@/home,subvolid=258

Processor Notes: Scaling Governor: powernow-k8 performance - CPU Microcode: 0x62

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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

absolute

Processor: Mobile AMD Sempron 3500+ @ 1.80GHz (1 Core), Motherboard: Dell 0WY383 (2.6.3 BIOS), Chipset: AMD RS480/RS482/RS485 + SB600, Memory: 2048MB, Disk: 80GB Seagate ST980313AS, Graphics: ATI RS480 128MB, Audio: SigmaTel STAC9200, Network: Broadcom BCM4401-B0 100Base-TX + Broadcom BCM4311 802.11b/g

OS: Slackware 14.2 x86_64, Kernel: 5.4.73 (x86_64), Desktop: IceWM, Display Server: X Server 1.20.9, Display Driver: ati 19.1.0, OpenGL: 2.1 Mesa 20.2.1, Compiler: GCC 9.3.0 + Clang 11.0.0 Target: + LLVM 11.0.0, File-System: ext4, Screen Resolution: 1280x800

```
Compiler Notes: --build=x86_64-slackware-linux --disable-gtktest --disable-install-liberty --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions
--disable-multilib --disable-werror --enable__cxa_atexit --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object
--enable-languages=ada,brig,c,c++,d,fortran,go,lto,objc,obj-c++ --enable-libstdcxx-dual-abi --enable-lto --enable-objc-gc --enable-plugin --enable-shared
--enable-threads=posix --host=x86_64-slackware-linux --mandir=/usr/man --target=x86_64-slackware-linux --verbose --with-arch-directory=amd64
--with-default-libstdcxx-abi=new --with-gnu-ld --with-isl
```

Disk Notes: MQ-DEADLINE / noatime,rw

Processor Notes: Scaling Governor: powernow-k8 ondemand - CPU Microcode: 0x62

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/swaps barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retrpoline STIBP: disabled RSB filling + srbs: Not affected + tsx_async_abort: Not affected

	slackwa re-stabl	slackwa re-curre	pclinux os	antiX-19	freebsd	devuan	alpine	MX-19.3	gentoo	nitrux	absolute
IOR - Write Test	14.29										
(MB/s)											
Standard Deviation	0.4%										
IOR - Read Test	42.88										
(MB/s)											
Standard Deviation	1.4%										
RAMspeed SMP - Add - Integer	2192	2461	2216	2020		2164		2313	2433	2425	2447
(MB/s)											
Normalized	89.08%	100%	90.07%	82.08%		87.94%		93.99%	98.86%	98.55%	99.45%
Standard Deviation	1%	2.3%	0.1%	2.3%		1.8%		0.6%	0%	1%	1.5%
RAMspeed SMP - Copy - Integer	2207	2280	2059	2063		2147		2098	2256	2250	2273
(MB/s)											
Normalized	96.8%	100%	90.29%	90.47%		94.16%		91.99%	98.94%	98.67%	99.69%
Standard Deviation	1.8%	0.3%	2.3%	2.9%		2.6%		4.8%	0.1%	2.5%	1.8%
RAMspeed SMP - Scale - Integer	2115	2263	2103	2216		1574		2301	2270	2336	2360
(MB/s)											
Normalized	89.61%	95.91%	89.12%	93.91%		66.68%		97.51%	96.17%	99.01%	100%
Standard Deviation	0.1%	2.8%	0%	1.3%		0.2%		0%	0%	0.1%	0.1%
RAMspeed SMP - Triad - Integer	2251	2414	2209	2175		2197		2249	2412	2448	2433
(MB/s)											
Normalized	91.95%	98.59%	90.25%	88.82%		89.72%		91.85%	98.53%	100%	99.38%
Standard Deviation	0%	0.4%	0.1%	0.2%		0.1%		0.2%	0.1%	2.7%	2.7%
RAMspeed SMP - Average - Integer	2202	2358	2140	2147		2014		2223	2338	2408	2432
(MB/s)											
Normalized	90.52%	96.92%	87.96%	88.27%		82.8%		91.4%	96.12%	99%	100%
Standard Deviation	0.1%	0.1%	1%	0%		2.3%		0.1%	0.1%	0.1%	0.1%
RAMspeed SMP - Add - Floating Point (MB/s)	2173	2422	2240	2113		2260		2180	2414	2520	2494
Normalized	86.24%	96.14%	88.9%	83.87%		89.68%		86.52%	95.82%	100%	98.98%
Standard Deviation	0.1%	1.3%	0%	0.1%		0.1%		0.1%	0.3%	0.1%	2.5%
RAMspeed SMP - Copy - Floating Point (MB/s)	2238	2242	2086	2090		2242		2152	2220	2324	2308
Normalized	96.29%	96.47%	89.73%	89.9%		96.44%		92.59%	95.53%	100%	99.28%
Standard Deviation	0.2%	2.8%	0%	0.5%		0.1%		0.2%	0%	0.1%	2.4%
RAMspeed SMP - Scale - Floating Point (MB/s)	2270	2271	2091	2208		2295		2245	2241	2331	2305
Normalized	97.37%	97.41%	89.69%	94.71%		98.45%		96.29%	96.14%	100%	98.88%
Standard Deviation	0.6%	0.8%	0%	0.8%		1.4%		2.9%	0.6%	0.1%	2.8%

RAMspeed SMP -	2167	2422	2235	2028		2215		2124	2404	2492	2427
Triad - Floating											
Point (MB/s)											
Normalized	86.97%	97.17%	89.69%	81.38%		88.89%		85.24%	96.48%	100%	97.38%
Standard Deviation	0.2%	1.4%	0.1%	2.7%		0%		0.2%	0%	0.1%	0.5%
RAMspeed SMP -	2212	2353	2158	1985		2246		2147	2333	2416	2432
Average - Floating											
Point (MB/s)											
Normalized	90.93%	96.77%	88.72%	81.62%		92.33%		88.26%	95.93%	99.34%	100%
Standard Deviation	0.1%	0.5%	0.6%	2%		0.6%		1.4%	0%	0%	0%
pmbench - 1 - 50%	0.4238	0.5451		0.4536				0.3972	0.2358	0.2303	0.5611
(us - Page											
Normalized											
Normalized											
Normalized	54.34%	42.25%		50.77%				57.98%	97.67%	100%	41.04%
Standard Deviation	0.5%	0.7%		5.2%				27.4%	2.8%	1.7%	0.1%
pmbench - 1 -	0.4876	0.3854		0.4939				0.4742	0.1704	0.1698	0.4139
100% Reads (us -											
Page Latency)											
Normalized	34.82%	44.06%		34.38%				35.81%	99.65%	100%	41.02%
Standard Deviation	0.7%	0.1%		5%				0.6%	7.3%	7.5%	0.2%
pmbench - 1 -	0.2763	0.4273		0.3043				0.2839	0.1716	0.1727	0.4180
100% Writes (us -											
Page Latency)											
Normalized	62.11%	40.16%		56.39%				60.44%	100%	99.36%	41.05%
Standard Deviation	0.2%	1.1%		1.9%				1.5%	2.2%	4.6%	0.4%
pmbench - 1 -	0.5088	0.6015		0.4965				1.3480	0.2705	0.2630	0.6316
8.R.2.W (us - Page											
Latency)											
Normalized	51.69%	43.72%		52.97%				19.51%	97.23%	100%	41.64%
Standard Deviation	0.3%	1.6%		20.6%				243%	2.9%	0.7%	0.2%
John The Ripper -	546	554	537	543	530	395		564	552	553	558
Blowfish (Real											
Normalized											
Normalized											
Normalized	96.81%	98.23%	95.21%	96.28%	93.97%	70.04%		100%	97.87%	98.05%	98.94%
Standard Deviation	0.2%			2.5%							
John The Ripper -	7546	7822	7611	7712	7666	7317		7769	7899	7910	7881
MD5 (Real C/S)											
Normalized	95.4%	98.89%	96.22%	97.5%	96.92%	92.5%		98.22%	99.86%	100%	99.63%
Standard Deviation	0.2%	0.1%	0%	0%	0.1%	0.1%		0.3%	0%	0%	0.1%
GraphicsMagick -	6	7	7	7	7	6	7	7	7	7	7
Swirl											
(Iterations/min)											
Normalized	85.71%	100%	100%	100%	100%	85.71%	100%	100%	100%	100%	100%
GraphicsMagick -	90	80	79	88	88	89	82	95	86	85	86
Rotate											
(Iterations/min)											
Normalized	94.74%	84.21%	83.16%	92.63%	92.63%	93.68%	86.32%	100%	90.53%	89.47%	90.53%
Standard Deviation	2.6%			1.3%				1.2%			
GraphicsMagick -	3	3	3	2	3	3	3	3	3	3	3
Sharpen											
(Iterations/min)											
Normalized	100%	100%	100%	66.67%	100%	100%	100%	100%	100%	100%	100%

GraphicsMagick - Enhanced (Iterations/min)	3	3	3	3	3	3	3	3	3	3	3	3	3
GraphicsMagick - Resizing (Iterations/min)	17	15	14	17	15	14	15	18	15	15	15	15	15
Normalized	94.44%	83.33%	77.78%	94.44%	83.33%	77.78%	83.33%	100%	83.33%	83.33%	83.33%	83.33%	83.33%
GraphicsMagick - Noise-Gaussian (Iterations/min)	4	5	5	5	5	3	4	5	5	5	5	5	5
Normalized	80%	100%	100%	100%	100%	60%	80%	100%	100%	100%	100%	100%	100%
Standard Deviation							9.9%						
GraphicsMagick - HWB Color Space (Iterations/min)	31	31	30	31	32	17	31	32	31	31	31	31	31
Normalized	96.88%	96.88%	93.75%	96.88%	100%	53.13%	96.88%	100%	96.88%	96.88%	96.88%	96.88%	96.88%
x264 - H.2.V.E (FPS)	1.51	1.55	1.50	1.45	1.41	1.46	1.55	1.52	1.53	1.58	1.56		
Normalized	95.57%	98.1%	94.94%	91.77%	89.24%	92.41%	98.1%	96.2%	96.84%	100%	98.73%		
Standard Deviation	0.4%	0.6%	0.7%	0.8%	0.4%	0.8%	0.4%	1.5%	0%	0.6%	0.4%		
Himeno	379.655	381.965	369.262	331.568	230.126	298.946	330.953	399.275	401.622	391.511	398.190		
Benchmark -	259	809	808	864	124	916	123	580	172	414	443		
Normalized	94.53%	95.11%	91.94%	82.56%	57.3%	74.43%	82.4%	99.42%	100%	97.48%	99.15%		
Standard Deviation	2.8%	0%	0.1%	15.3%	0%	10.8%	13.1%	0.5%	0.2%	0.1%	0%		
7-Zip	1507	1427	1348	1420		1533	1581	1512	1422	1420	1414		
Compression -													
Normalized	95.32%	90.26%	85.26%	89.82%		96.96%	100%	95.64%	89.94%	89.82%	89.44%		
Standard Deviation	0.3%	0.1%	0.3%	1.2%		0.2%	1.5%	1.2%	0.2%	0.4%			
Timed Apache	360.490	501.023		410.721		395.980		400.485	462.191	744.577	492.939		
Compilation -													
Time To Compile													
Normalized	100%	71.95%		87.77%		91.04%		90.01%	78%	48.42%	73.13%		
Standard Deviation	0.3%	0.5%		0.2%		0.4%		1%	0.8%	0%	0.1%		
Timed Linux	3509	4093	4105	3381		3055		3267	3806	6093	4015		
Kernel													
Compilation -													
Normalized	87.06%	74.65%	74.42%	90.35%		100%		93.52%	80.28%	50.14%	76.1%		
Standard Deviation	0.5%	0.3%	0.3%	0.9%		0.5%		0.4%	0.1%	0.5%	0.5%		
Timed PHP	1358	1708		1310					1692		1661		
Compilation -													
Time To Compile													
Normalized	96.48%	76.7%		100%					77.39%		78.85%		
Standard Deviation	0.7%	0.3%		0.1%					0.1%		0.2%		
PostgreSQL	31.4377	27.2106	28.2331	27.2764	28.2950	31.4291	28.5757	27.9358	29.8128				
pgbench -	86	51	06	09	91	55	27	10	00				
On-Disk - Single Thread - Read													
Normalized	100%	86.55%	89.81%	86.76%	90%	99.97%	90.9%	88.86%	94.83%				
Standard Deviation	6.9%	12.9%	11%	22.4%	2.3%	12.1%	18.7%	15.5%	14.1%				

nosystemd-showdown

PostgreSQL	18.3032	15.0799	14.6636	16.2221	24.2043	15.7831	15.5692	14.4634	14.6276
pgbench - 30	53	02	21		48	80	63	32	55
On-Disk - Single									
Thread - Read									
Normalized	75.62%	62.3%	60.58%	67.02%	100%	65.21%	64.32%	59.76%	60.43%
Standard Deviation	8.7%	14.6%	2.5%	9.8%	0.7%	13.9%	14.2%	9.7%	10.2%
PostgreSQL	44.6937	39.0113	46.2692	40.8893	49.7651	54.3575	47.0724	38.0254	50.0316
pgbench - Mostly	71	02	29	03	99	87	64	75	75
RAM - Single									
Thread - Read									
Only (TPS)									
Normalized	82.22%	71.77%	85.12%	75.22%	91.55%	100%	86.6%	69.95%	92.04%
Standard Deviation	15.5%	20.7%	1.4%	1.5%	1.2%	17.3%	2.6%	24.4%	2.8%
PostgreSQL	6515	6532	6506	5922	6003	6050	5980	6173	6737
pgbench - Buffer									
Test - Single									
Thread - Read									
Only (TPS)									
Normalized	96.71%	96.96%	96.57%	87.91%	89.11%	89.81%	88.77%	91.62%	100%
Standard Deviation	2.1%	1.4%	0.3%	2.2%	0.8%	0.9%	1.1%	0.7%	2.9%
PostgreSQL	21.3164	19.5046	19.4951	18.1316	39.1021	20.7997	18.0921	17.0755	17.7870
pgbench - Mostly	32	97	46	62	80	38	78	16	62
RAM - Single									
Thread - Read									
Write (TPS)									
Normalized	54.51%	49.88%	49.86%	46.37%	100%	53.19%	46.27%	43.67%	45.49%
Standard Deviation	19.8%	19.9%	22%	16.5%	2.3%	17.7%	12.7%	15.4%	24.6%
PostgreSQL	83.9817	84.4242	84.3108	88.1965	496.802	88.0415	85.3144	86.2401	86.0780
pgbench - Buffer	37	46	67	10	614	95	48	22	65
Test - Single									
Thread - Read									
Write (TPS)									
Normalized	16.9%	16.99%	16.97%	17.75%	100%	17.72%	17.17%	17.36%	17.33%
Standard Deviation	0.5%	4.9%	0.2%	0.4%	0.5%	0.3%	0.5%	1.3%	0.4%
Stress-NG - 0.3	0.3	0.27	0.11	0.33	0.3	0.32		0.29	0.25
MMAP (Bogo)									
Normalized	90.91%	81.82%	33.33%	100%	90.91%	96.97%		87.88%	75.76%
Standard Deviation	0%	0%	54.3%	0%	0%	4.6%		4.2%	13.9%
Stress-NG - NUMA	38	18.79	38	7.30		38		20.53	2.26
(Bogo Ops/s)									
Normalized	100%	49.45%	100%	19.21%		100%		54.03%	5.95%
Standard Deviation		0.6%		4.2%				0.2%	0.4%
Stress-NG - 2.36	2.36	2.25	2.19	2.01		2.06		2.23	2.76
MEMFD (Bogo)									
Ops/s)									
Normalized	85.51%	81.52%	79.35%	72.83%		74.64%		80.8%	100%
Standard Deviation	1%	0.8%	1.1%	2.7%		0.3%		0%	1.1%
Stress-NG - 469325	469325	465836	455224	454827		165738		473157	478272
Atomic (Bogo)									
Normalized	98.13%	97.4%	95.18%	95.1%		34.65%		98.93%	100%
Standard Deviation	0.4%	0%	0.1%	2.9%		0%		0.7%	0.1%

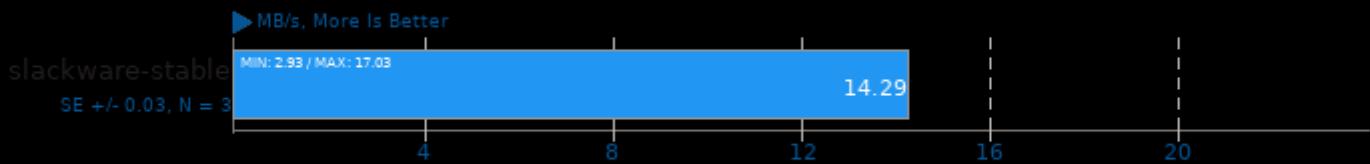
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Stress-NG -	60.33	62.37	64.79	61.72	24.95		64.03	65.39	66.92	62.81
Crypto (Bogo)										
Normalized	90.15%	93.2%	96.82%	92.23%		37.28%		95.68%	97.71%	100%
Standard Deviation	0.3%	0%	0.1%	2.8%		0.2%		0.7%	0.4%	0.3%
Stress-NG -	669831	667133	622975	641888	799364	691728		674975	666861	644517
Malloc (Bogo)										
Normalized	83.8%	83.46%	77.93%	80.3%	100%	86.53%		84.44%	83.42%	80.63%
Standard Deviation	0.4%	0.5%	0.5%	2.5%	0.2%	1.7%		0.7%	0.3%	1.2%
Stress-NG -	380.23	2920	2904	366.64	910.32	2575		378.68	4156	2517
Forking (Bogo)										
Ops/s)										
Normalized	9.15%	70.26%	69.88%	8.82%	21.9%	61.94%		9.11%	100%	60.55%
Standard Deviation	0.8%	1.2%	2.9%	3%	2.6%	68.5%		0.6%	2.6%	3%
Stress-NG -	4070	3028	3211	2709		3118		3810	3919	2657
SENDFILE (Bogo)										
Ops/s)										
Normalized	100%	74.39%	78.89%	66.56%		76.61%		93.59%	96.29%	65.27%
Standard Deviation	1.6%	5.1%	3.9%	7.8%		2.9%		0.8%	1.8%	3.4%
Stress-NG - CPU	49.48	44.82	42.40	44.49	4.17	48.12		48.99	43.02	42.98
Cache (Bogo)										
Ops/s)										
Normalized	100%	90.58%	85.69%	89.92%	8.43%	97.25%		99.01%	86.94%	86.86%
Standard Deviation	2.5%	1.3%	0.2%	5.3%	0.8%	1.5%		1.8%	1.2%	3%
Stress-NG - CPU	71.55	74.31	76.00	66.22	63.26	59.78		67.43	74.15	78.22
Stress (Bogo)										
Ops/s)										
Normalized	91.47%	95%	97.16%	84.66%	80.87%	76.43%		86.21%	94.8%	100%
Standard Deviation	0.1%	1%	0.3%	6.4%	0.1%	0.1%		5.8%	0.9%	1.2%
Stress-NG -	56379	55884	59648	56697	484039	54840		56539	62733	57944
Semaphores										
(Bogo Ops/s)										
Normalized	11.65%	11.55%	12.32%	11.71%	100%	11.33%		11.68%	12.96%	11.97%
Standard Deviation	0.2%	0.1%	0.1%	0.3%	0.8%	0.2%		0.3%	0.2%	0.7%
Stress-NG - Matrix	1281	1260	1239	1013	1303	1261		1036	1294	1276
Math (Bogo)										
Ops/s)										
Normalized	98.29%	96.69%	95.08%	77.74%	100%	96.77%		79.5%	99.27%	97.92%
Standard Deviation	0.2%	0%	0.2%	2.9%	0.1%	0.6%		0.6%	0.1%	0.8%
Stress-NG -	791.27	740.19	723.64	730.21		229.69		749.99	748.03	739.00
Vector Math										
Ops/s)										
Normalized	100%	93.54%	91.45%	92.28%		29.03%		94.78%	94.54%	93.39%
Standard Deviation	0%	0.4%	0.1%	2.8%		0.2%		0.8%	0.1%	1.1%
Stress-NG -	89.45	113.93	103.34	109.46	88.47	81.71		114.22	111.40	113.72
Memory Copying										
(Bogo Ops/s)										
Normalized	77.37%	98.54%	89.38%	94.67%	76.52%	70.67%		98.79%	96.35%	98.36%
Standard Deviation	0.1%	0.1%	0.6%	2.7%	0.4%	0.1%		0.7%	0%	1.5%
Stress-NG -	260.12	126.71	142.72	234.93	170.33	191.97		263.66	146.39	105.35
Socket Activity										
(Bogo Ops/s)										
Normalized	98.66%	48.06%	54.13%	89.1%	64.6%	72.81%		100%	55.52%	39.96%
Standard Deviation	0.5%	2.8%	17.5%	1.4%	0.2%	3%		0.7%	1.3%	2.9%

	Stress-NG -	163741	150642	138423	134615	158739	137817		96371	227663	104434	142634
Context Switching												
(Bogo Ops/s)												
Normalized	71.92%	66.17%	60.8%	59.13%	69.73%	60.54%			42.33%	100%	45.87%	62.65%
Standard Deviation	1.1%	2.3%	0.9%	2%	6.1%	1.8%			1.3%	9.6%	1.5%	2.8%
Stress-NG -	13310	10008	9411	9603	2374	7997			9933	8005	9450	10070
G.C.S.F (Bogo Ops/s)												
Normalized	100%	75.19%	70.71%	72.15%	17.83%	60.08%			74.63%	60.14%	71%	75.66%
Standard Deviation	0.6%	0.4%	0.5%	2.9%	0.2%	0.5%			0.3%	0.1%	1.8%	0.2%
Stress-NG -	2.93	3.06	3.08	2.87	7.69	1.94			2.88	3.18	3.19	3.18
G.Q.D.S (Bogo Ops/s)												
Normalized	38.1%	39.79%	40.05%	37.32%	100%	25.23%			37.45%	41.35%	41.48%	41.35%
Standard Deviation	2.2%	0.8%	1.3%	6.1%	2.9%	7.4%			2.8%	2.1%	1.6%	0.5%
Stress-NG -	624828	681112	882560	390850	258295	463826			703043	326039	562622	685585
S.V.M.P (Bogo Ops/s)												
Normalized	70.8%	77.17%	100%	44.29%	29.27%	52.55%			79.66%	36.94%	63.75%	77.68%
Standard Deviation	10.5%	2.8%	15.9%	12.9%	3.8%	2.5%			11.7%	1.6%	10.1%	3%
Git - T.T.C.C.G.C	245.544	263.233	282.650	253.304	322.569	252.213	333.147	251.394	285.975	254.202	244.574	
(sec)												
Normalized	99.6%	92.91%	86.53%	96.55%	75.82%	96.97%	73.41%	97.29%	85.52%	96.21%	100%	
Standard Deviation	0.3%	5.4%	2.5%	0.5%	19%	1.2%	0.2%	3.4%	0%	1.2%	0.1%	

IOR 3.2.1

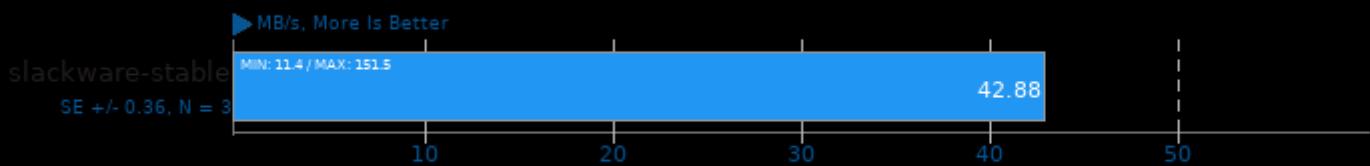
Write Test



1. (CC) gcc options: -O2 -lm -pthread -lmpi

IOR 3.2.1

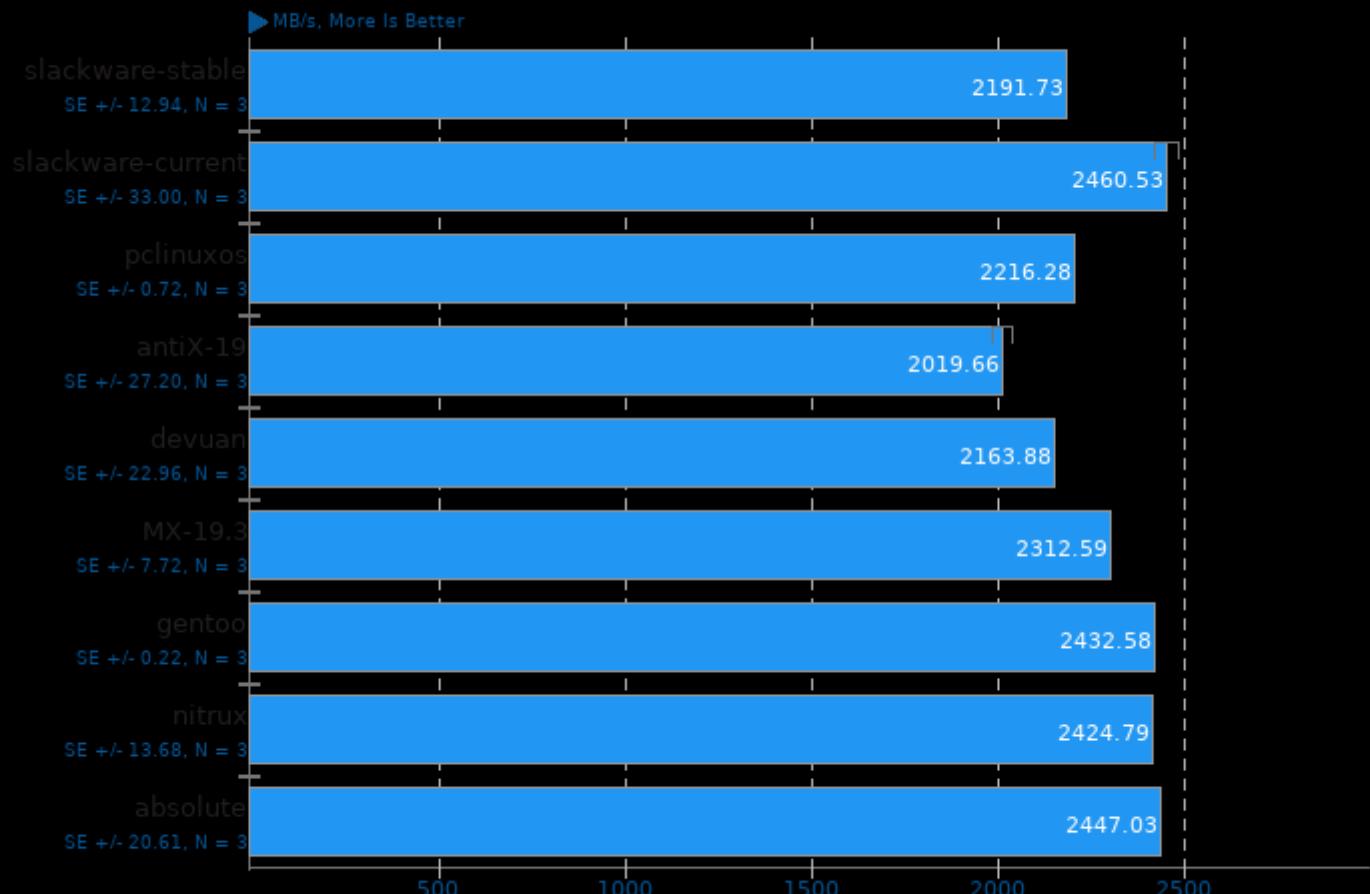
Read Test



1. (CC) gcc options: -O2 -lm -pthread -lmpi

RAMspeed SMP 3.5.0

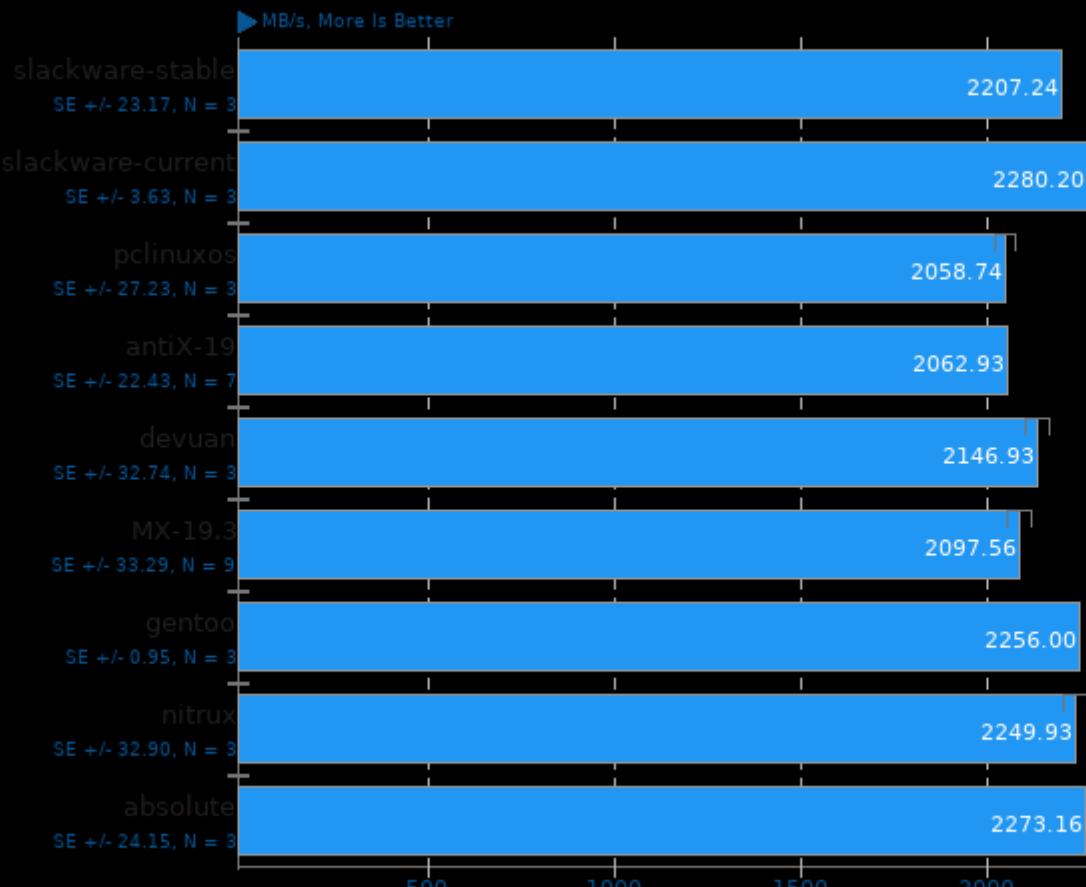
Type: Add - Benchmark: Integer



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

RAMspeed SMP 3.5.0

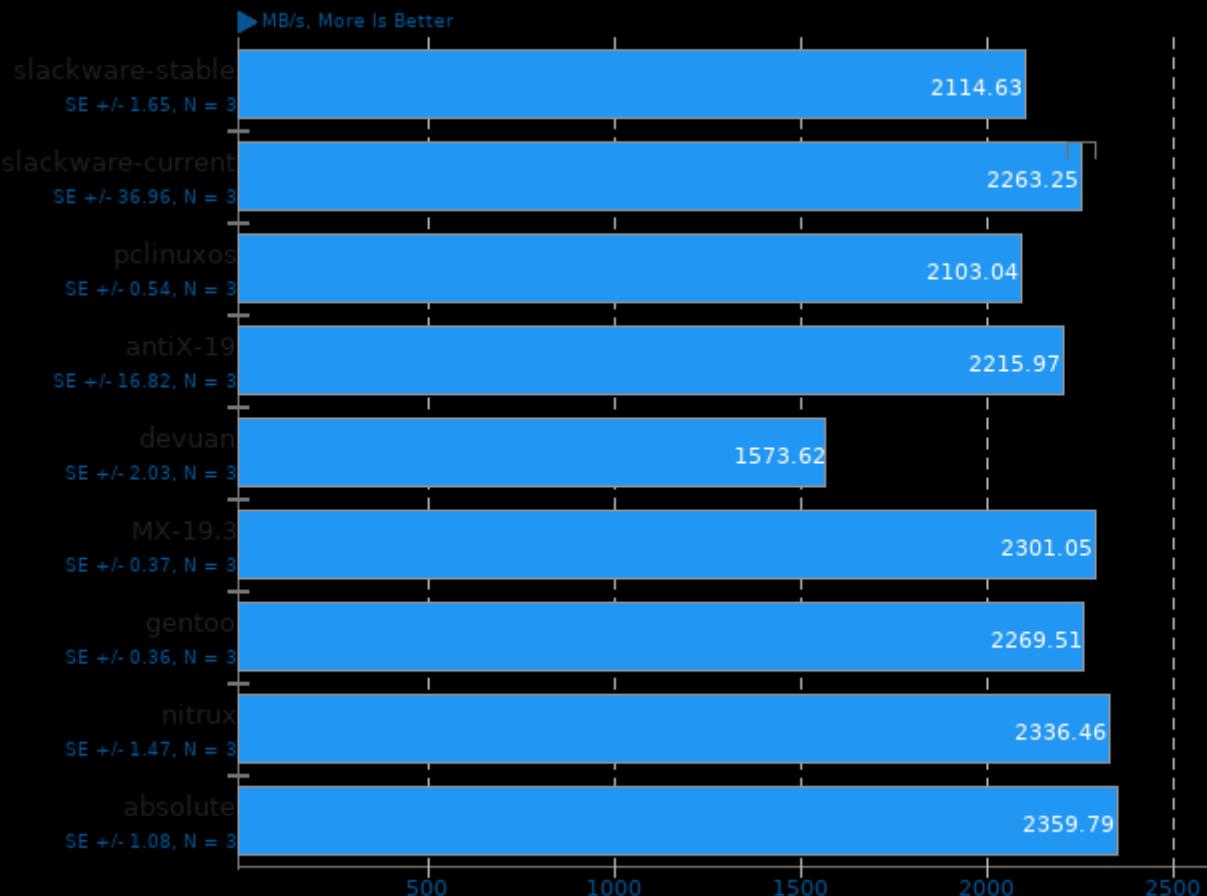
Type: Copy - Benchmark: Integer



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

RAMspeed SMP 3.5.0

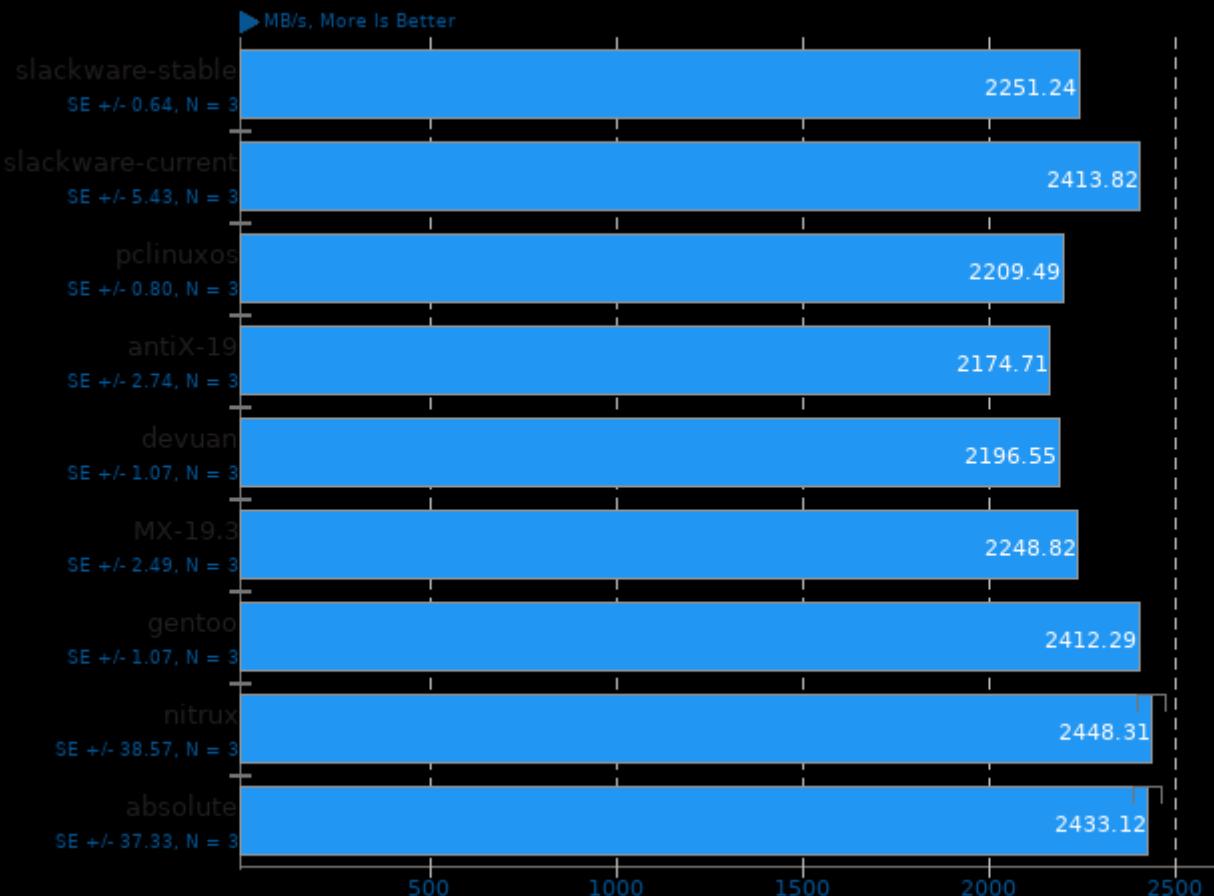
Type: Scale - Benchmark: Integer



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

RAMspeed SMP 3.5.0

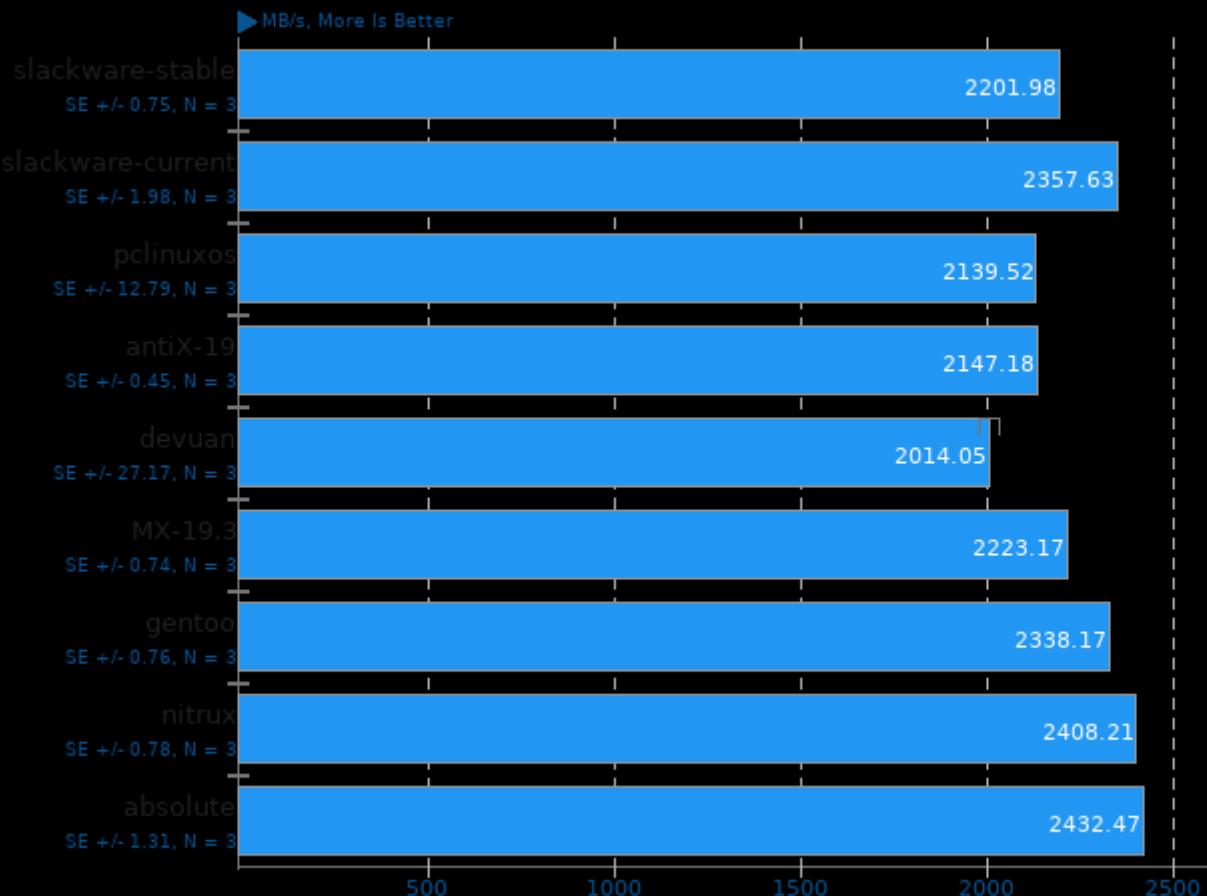
Type: Triad - Benchmark: Integer



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

RAMspeed SMP 3.5.0

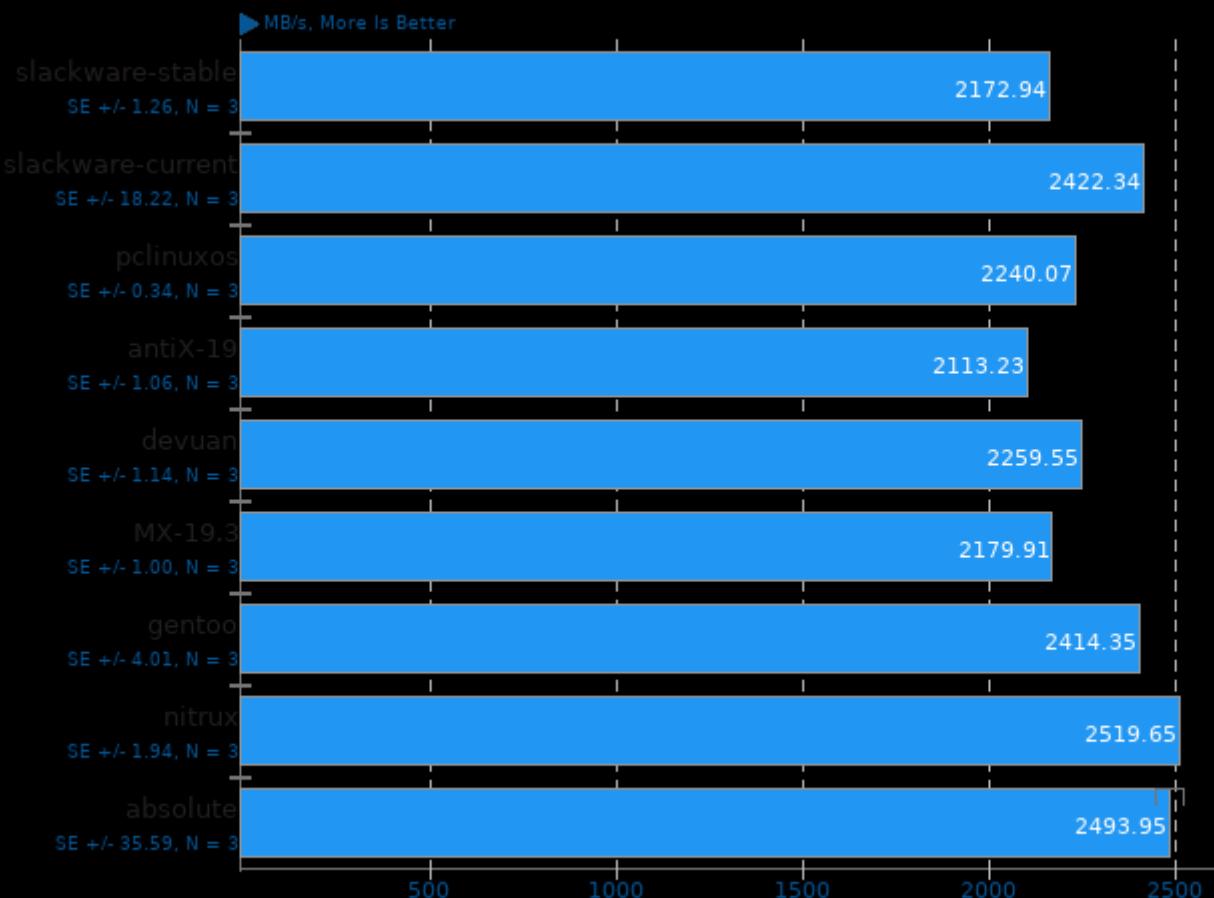
Type: Average - Benchmark: Integer



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

RAMspeed SMP 3.5.0

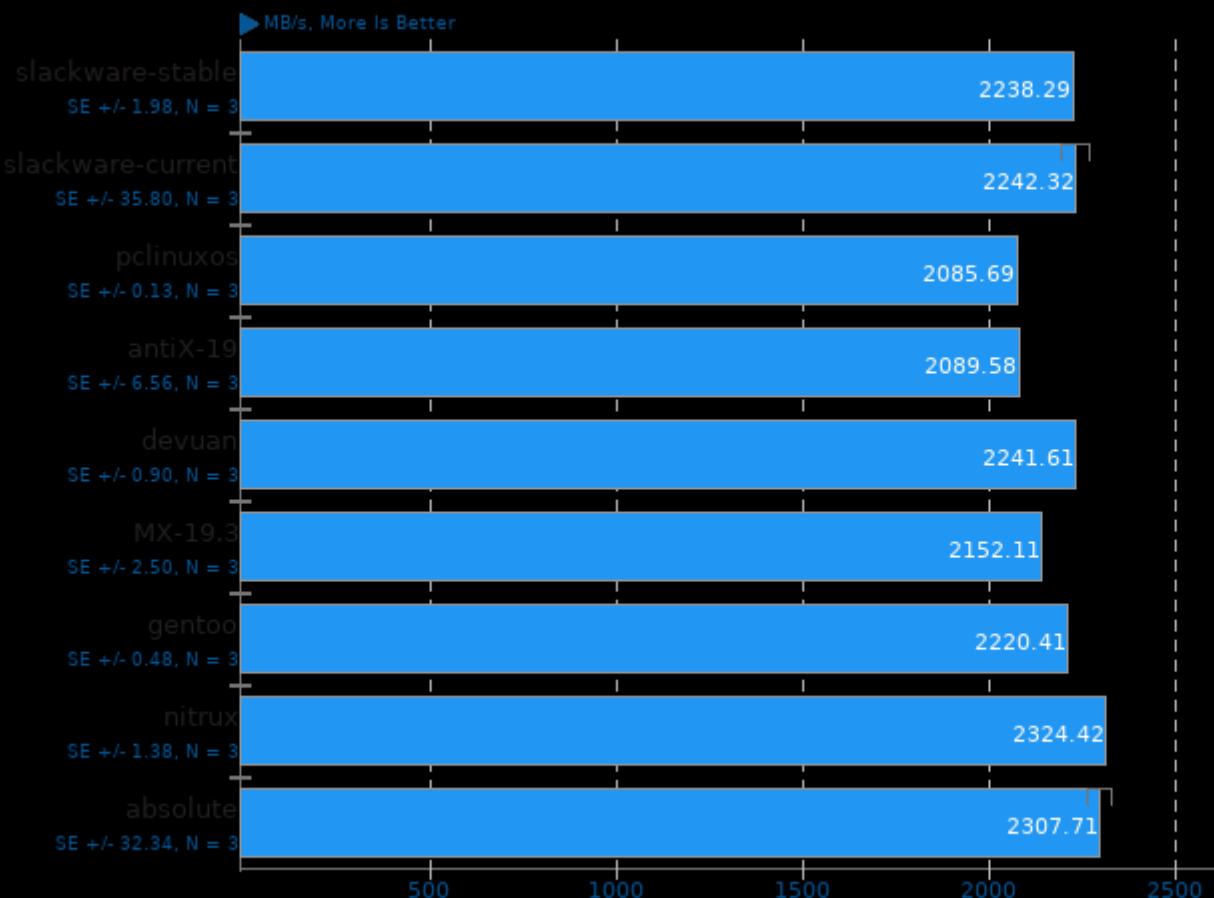
Type: Add - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

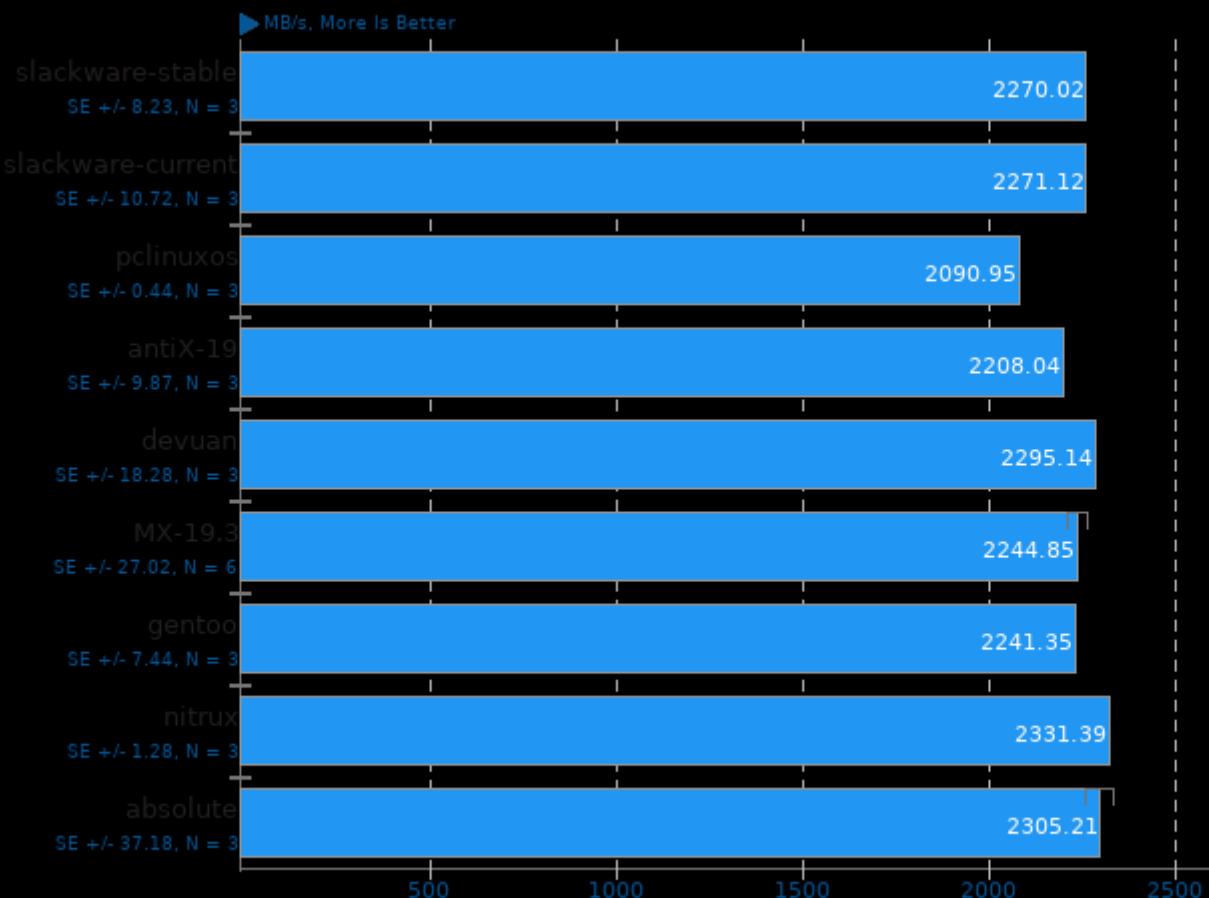
Type: Copy - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

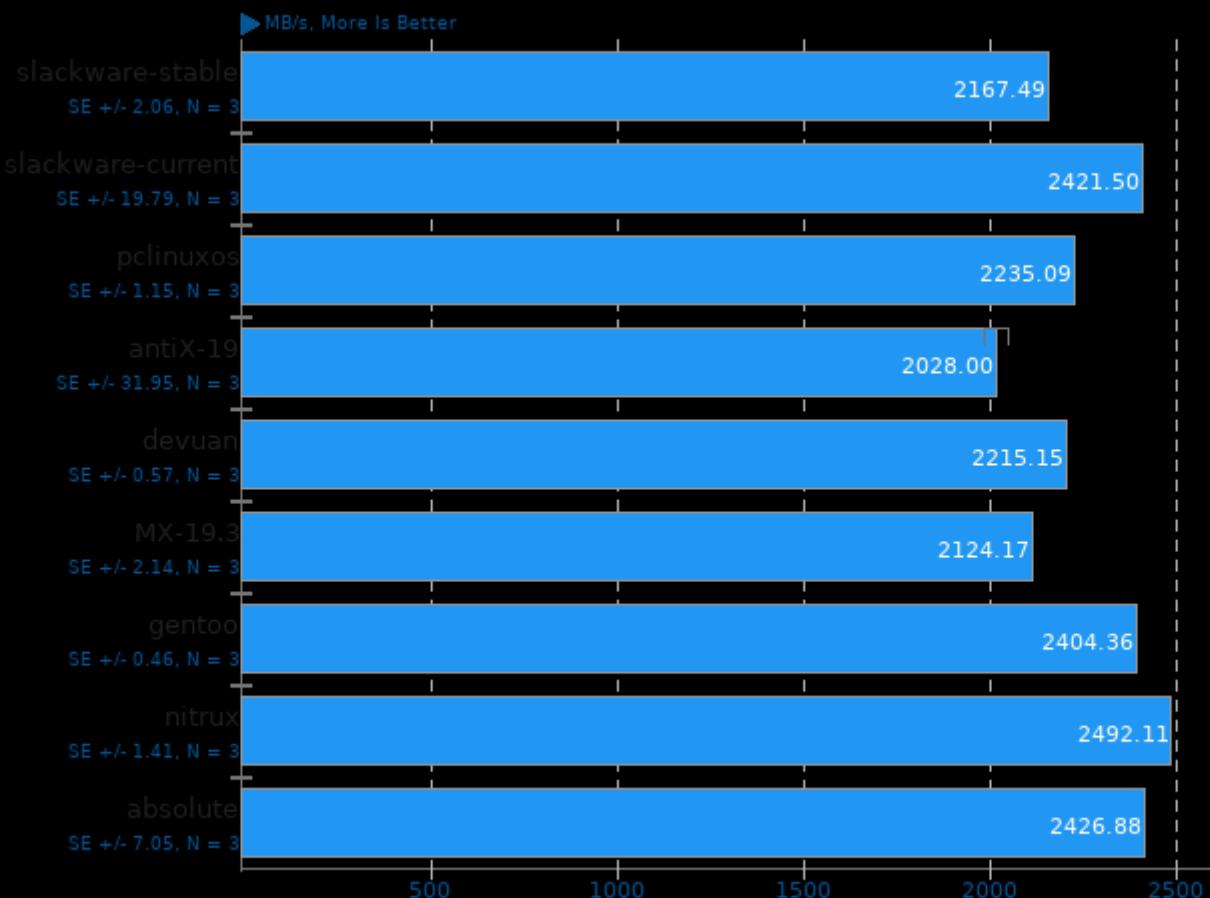
Type: Scale - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

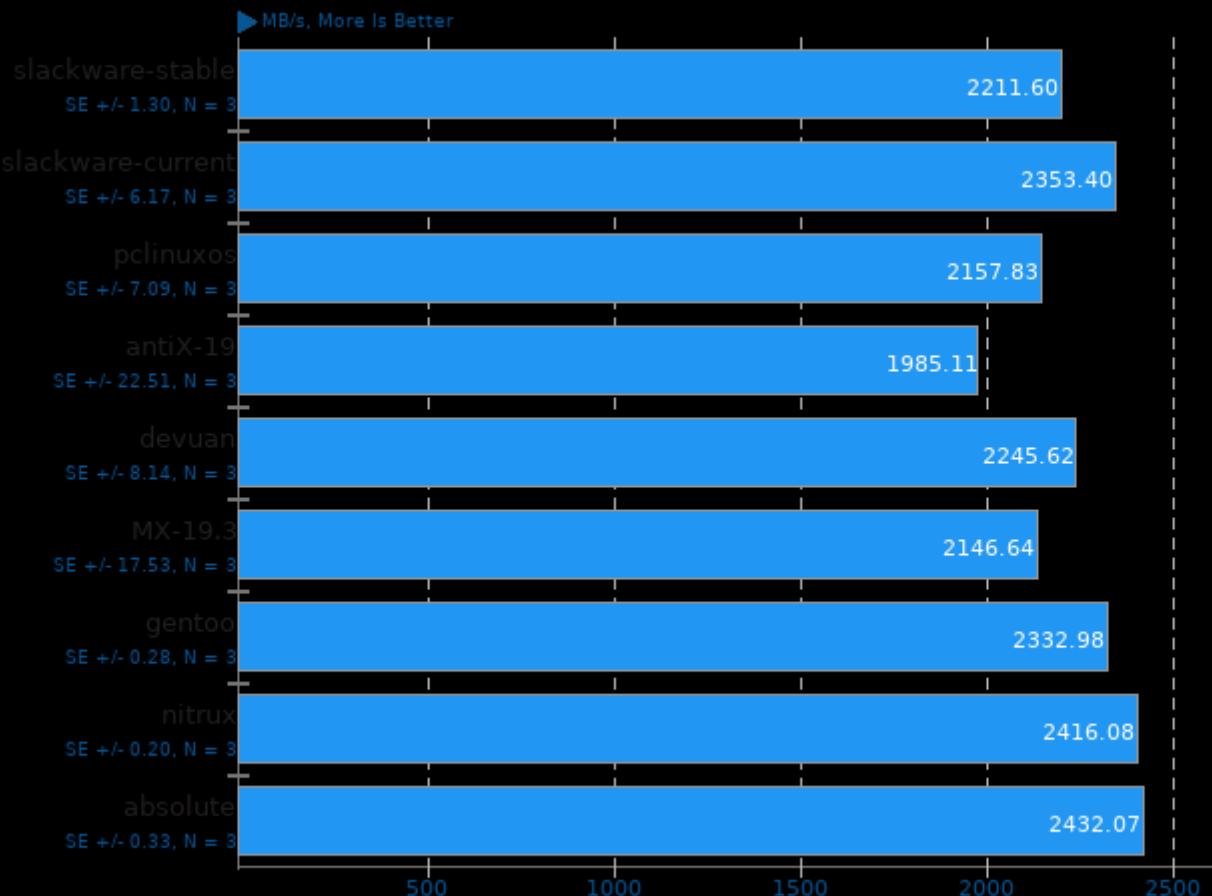
Type: Triad - Benchmark: Floating Point



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

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Floating Point

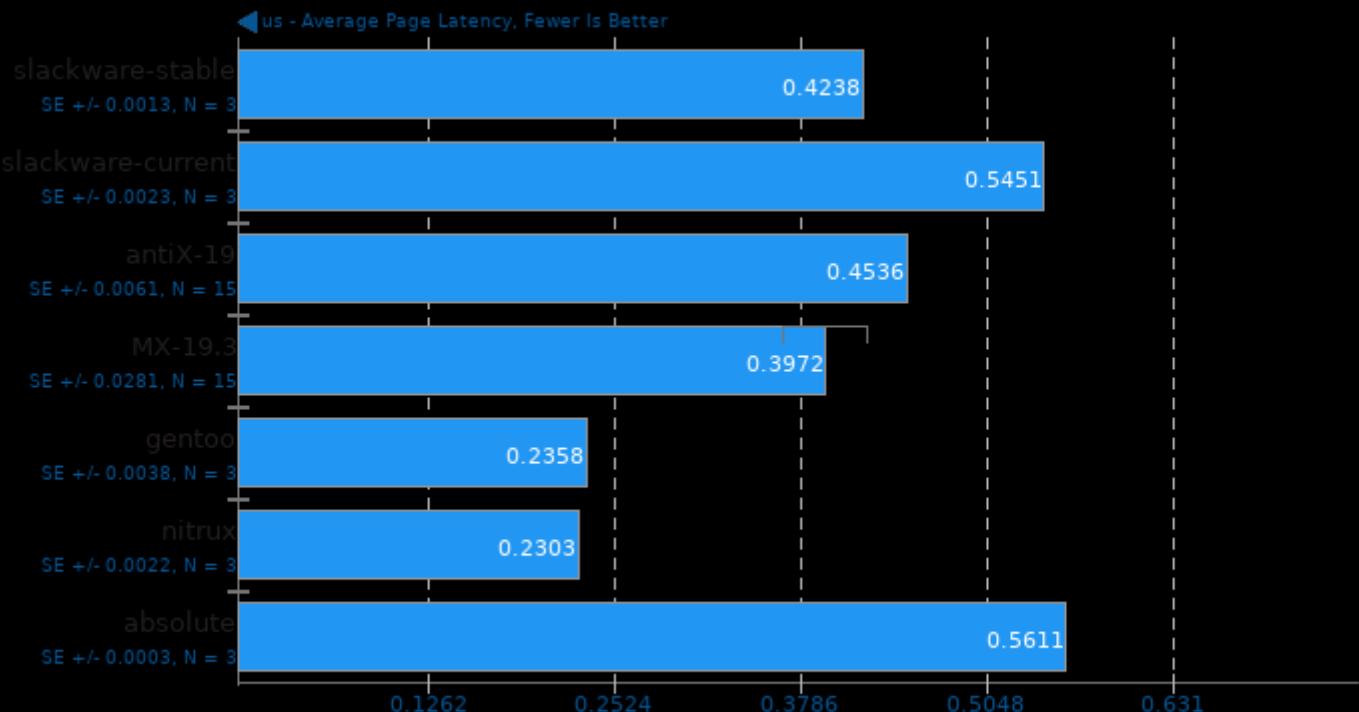


1. (CC) gcc options: -O3 -march=native

nosystemd-showdown

pmbench

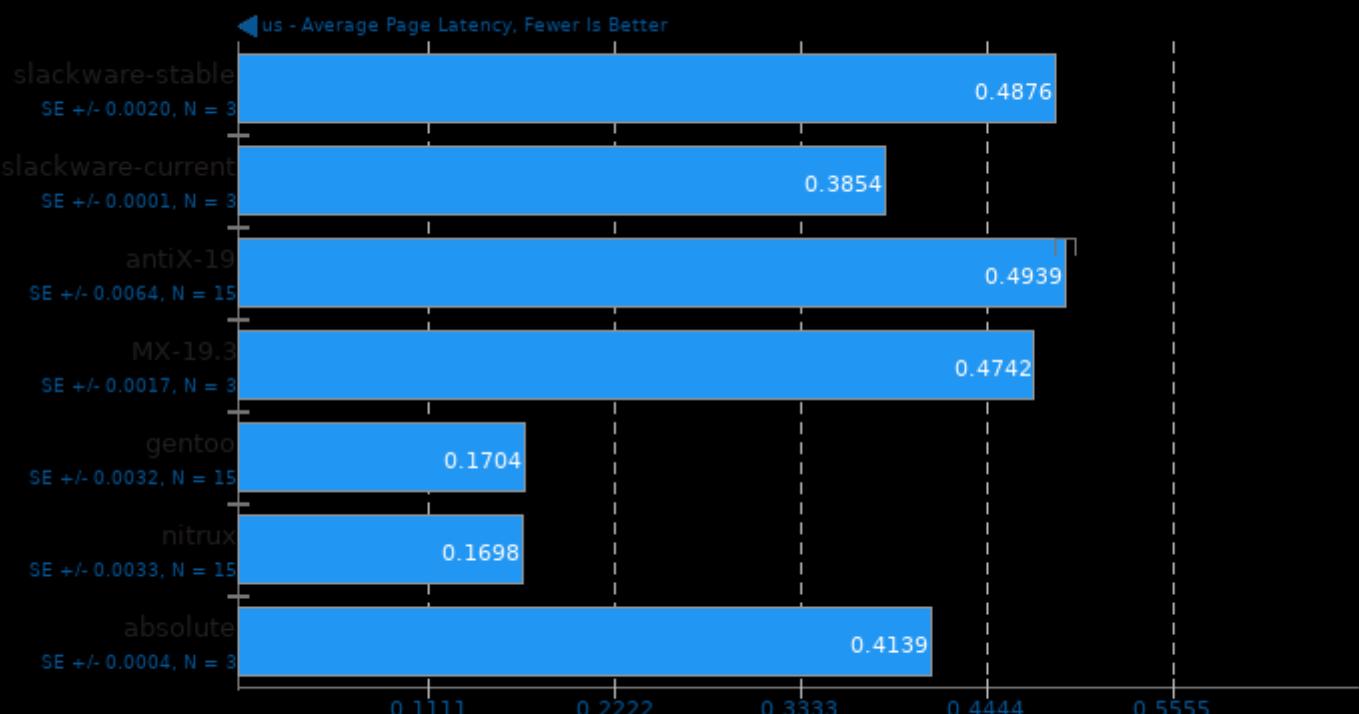
Concurrent Worker Threads: 1 - Read-Write Ratio: 50%



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

Concurrent Worker Threads: 1 - Read-Write Ratio: 100% Reads

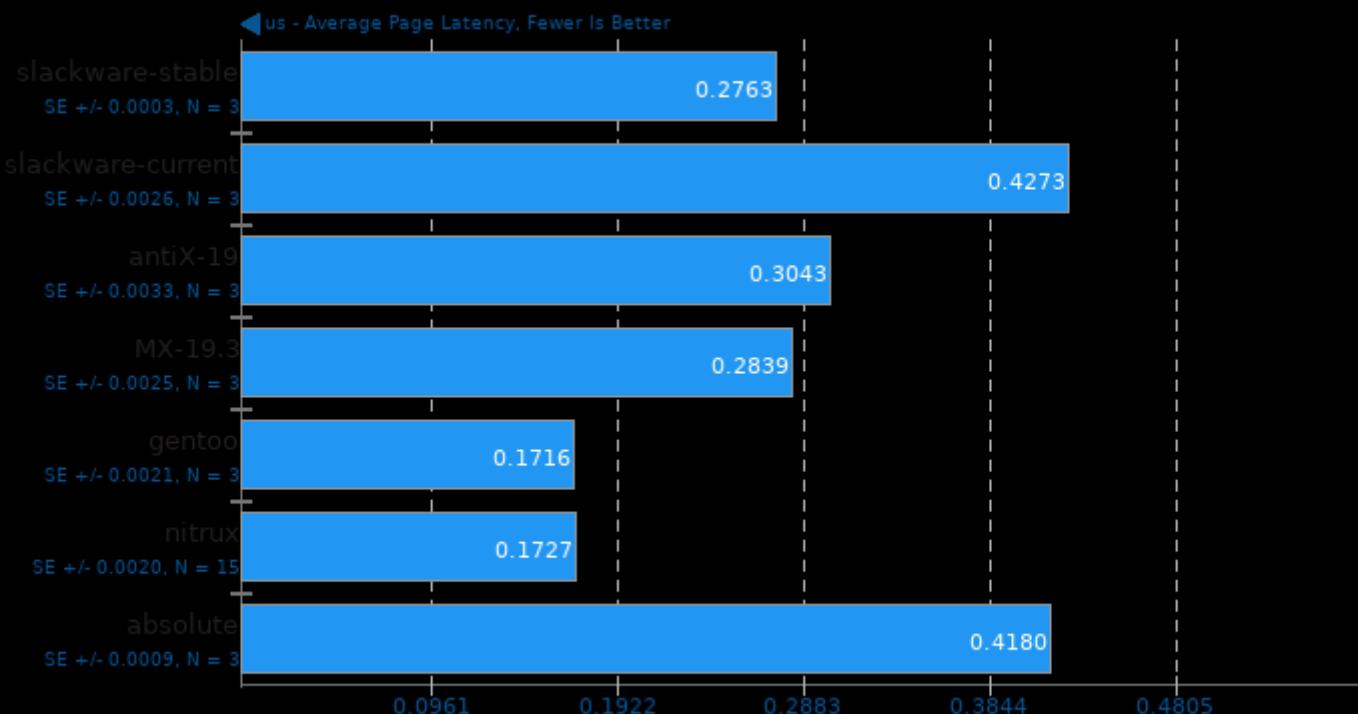


1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

nosystemd-showdown

pmbench

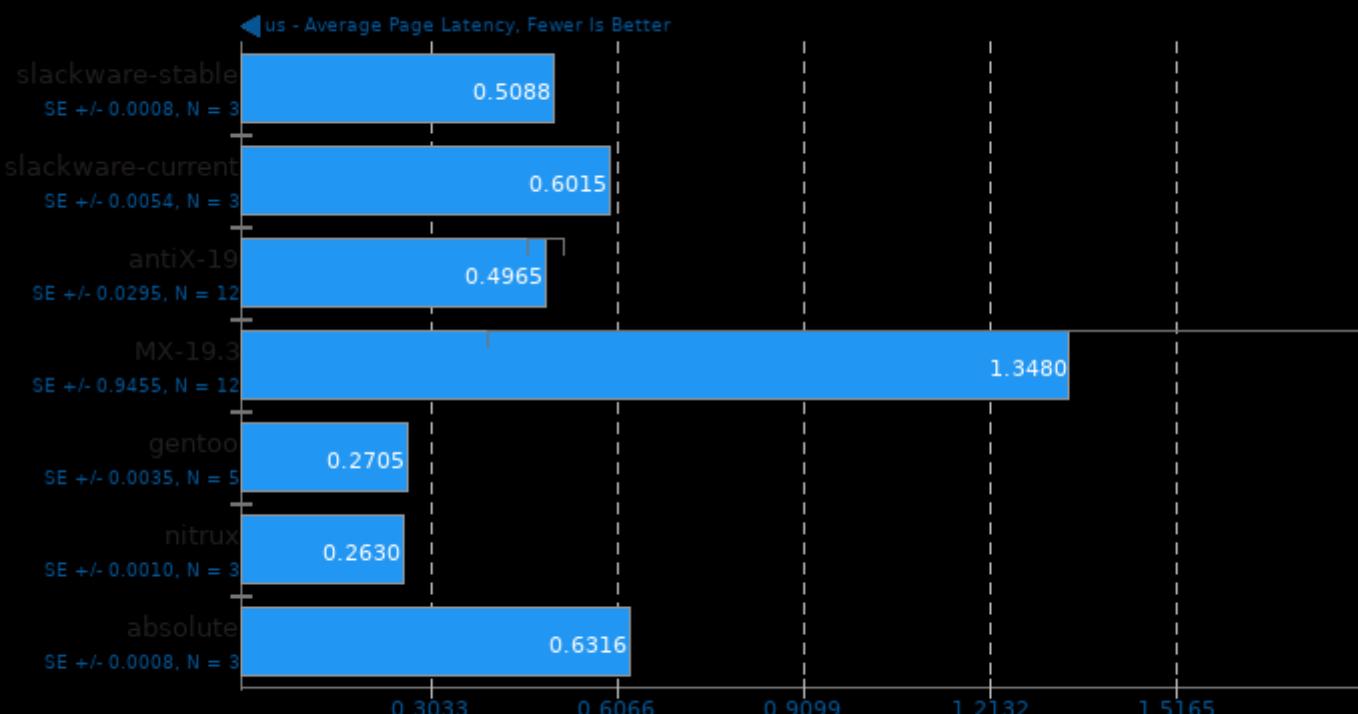
Concurrent Worker Threads: 1 - Read-Write Ratio: 100% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

pmbench

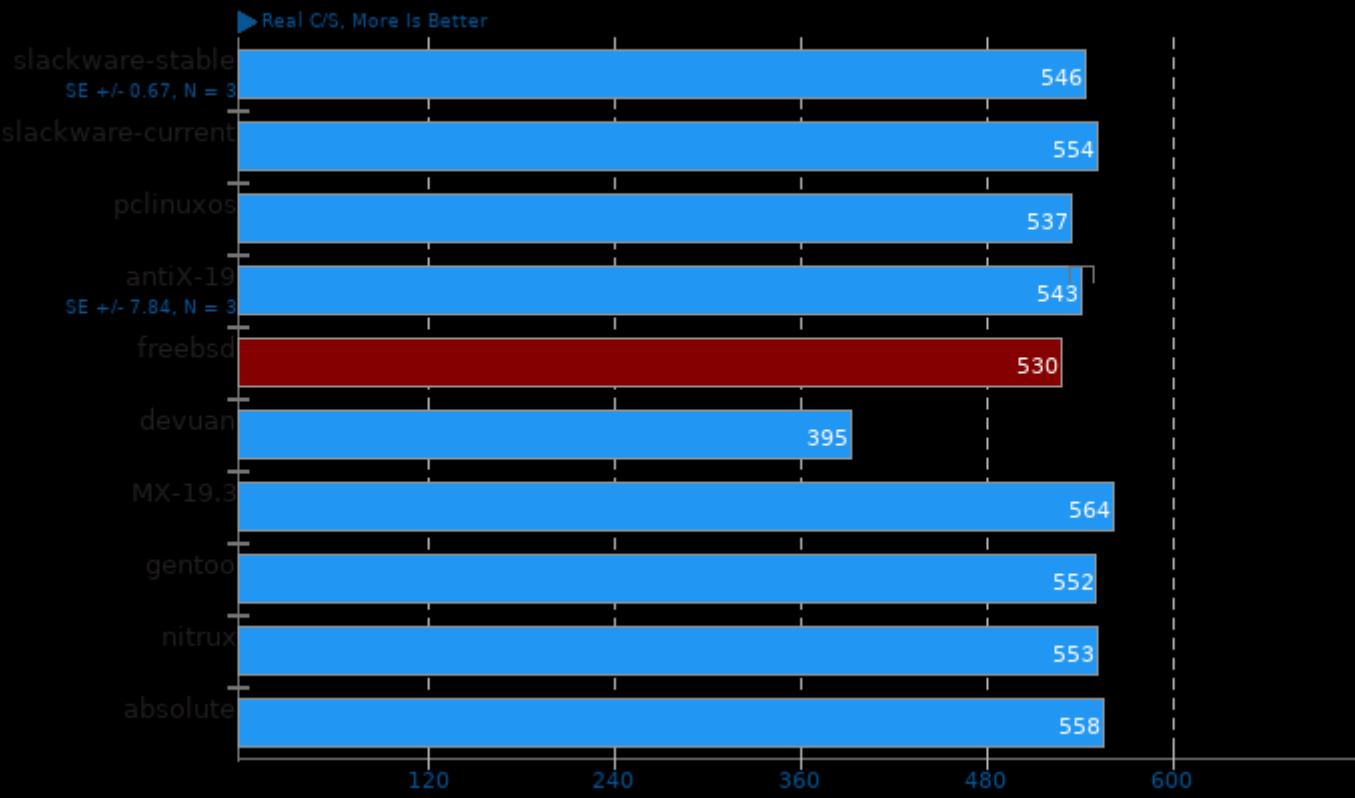
Concurrent Worker Threads: 1 - Read-Write Ratio: 80% Reads 20% Writes



1. (CC) gcc options: -lm -luuid -lxml2 -m64 -pthread

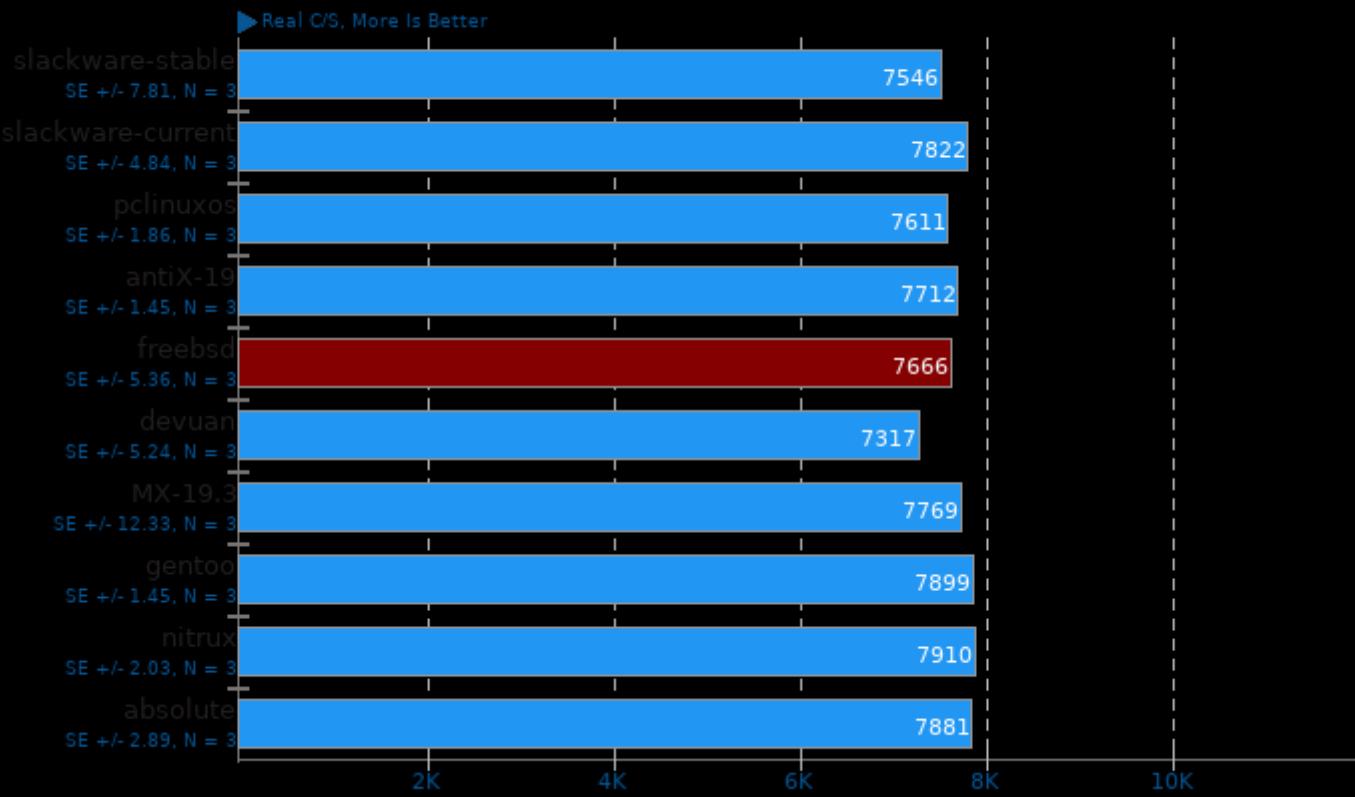
John The Ripper 1.9.0-jumbo-1

Test: Blowfish



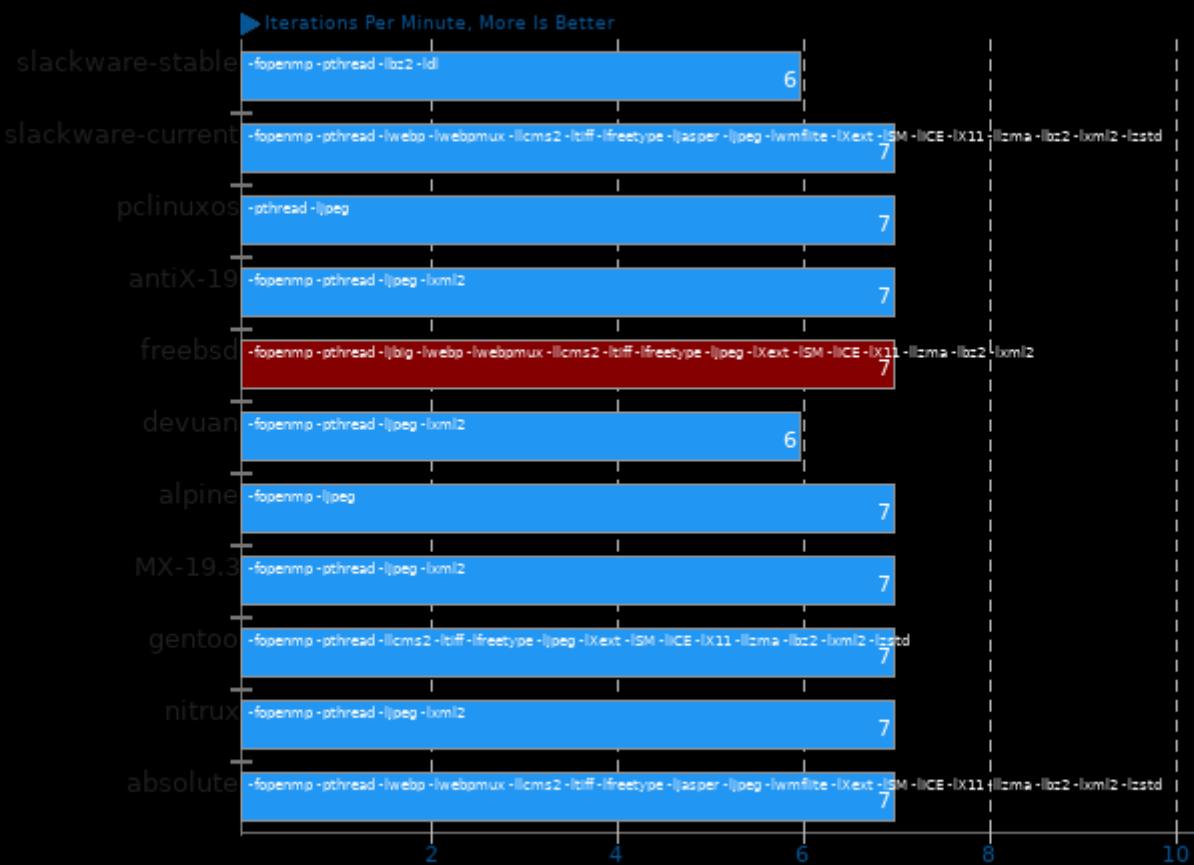
John The Ripper 1.9.0-jumbo-1

Test: MD5



GraphicsMagick 1.3.33

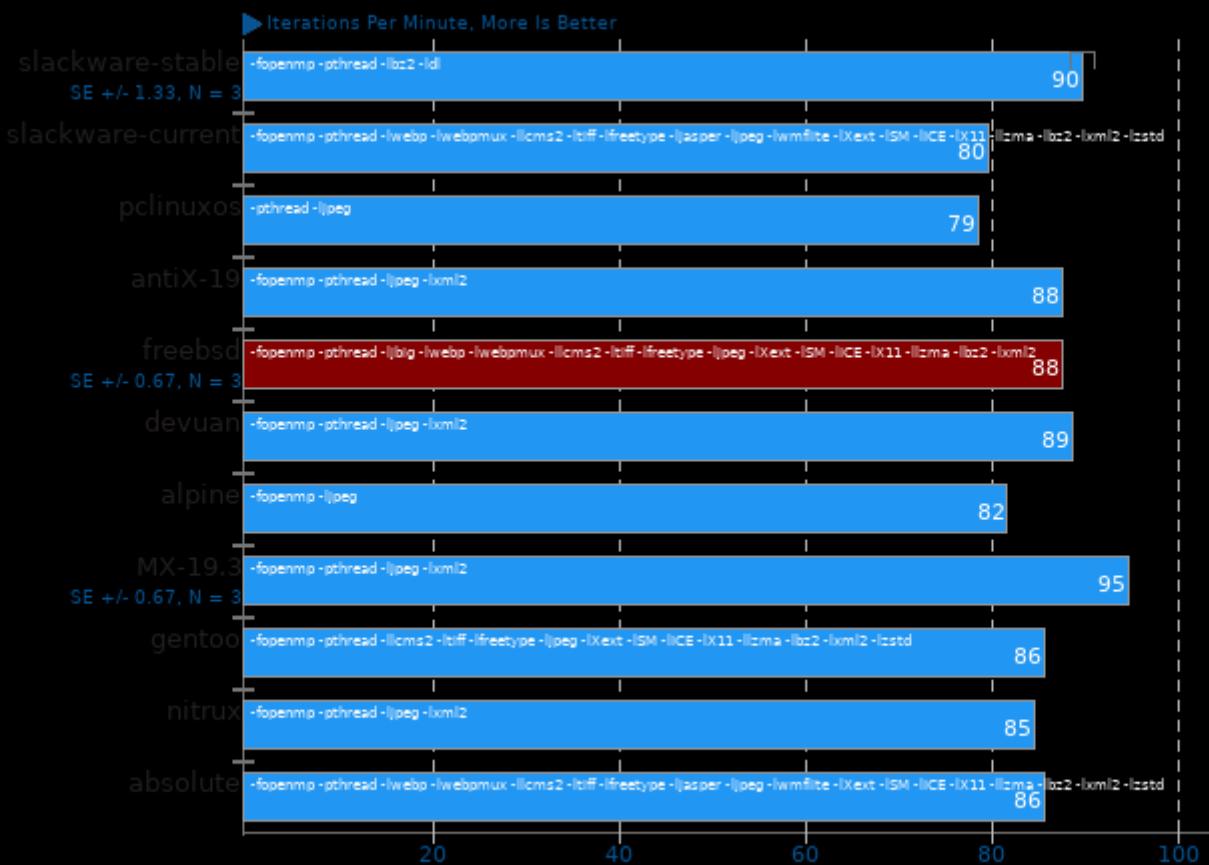
Operation: Swirl



1. (CC) gcc options: -O2 -lz -lm -pthread

GraphicsMagick 1.3.33

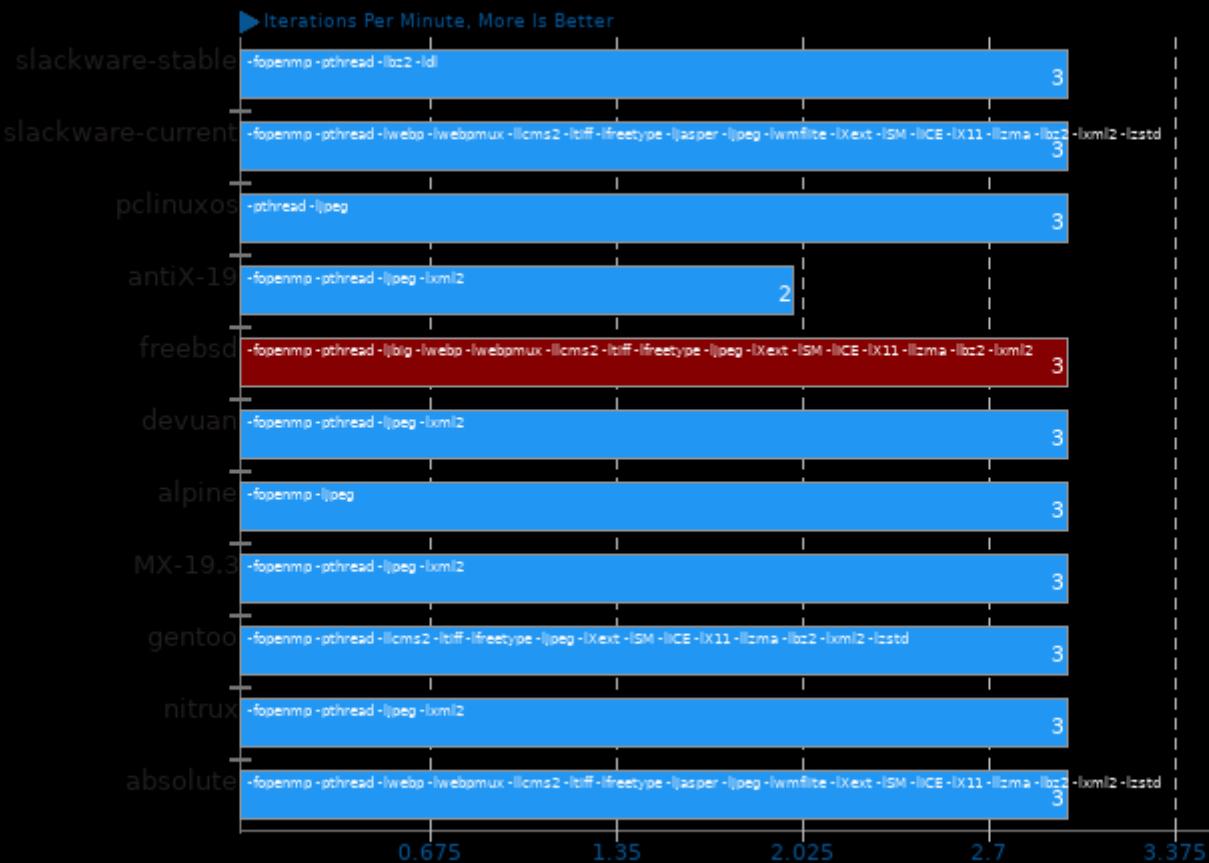
Operation: Rotate



1. (CC) gcc options: -O2 -fz -fim -fthread

GraphicsMagick 1.3.33

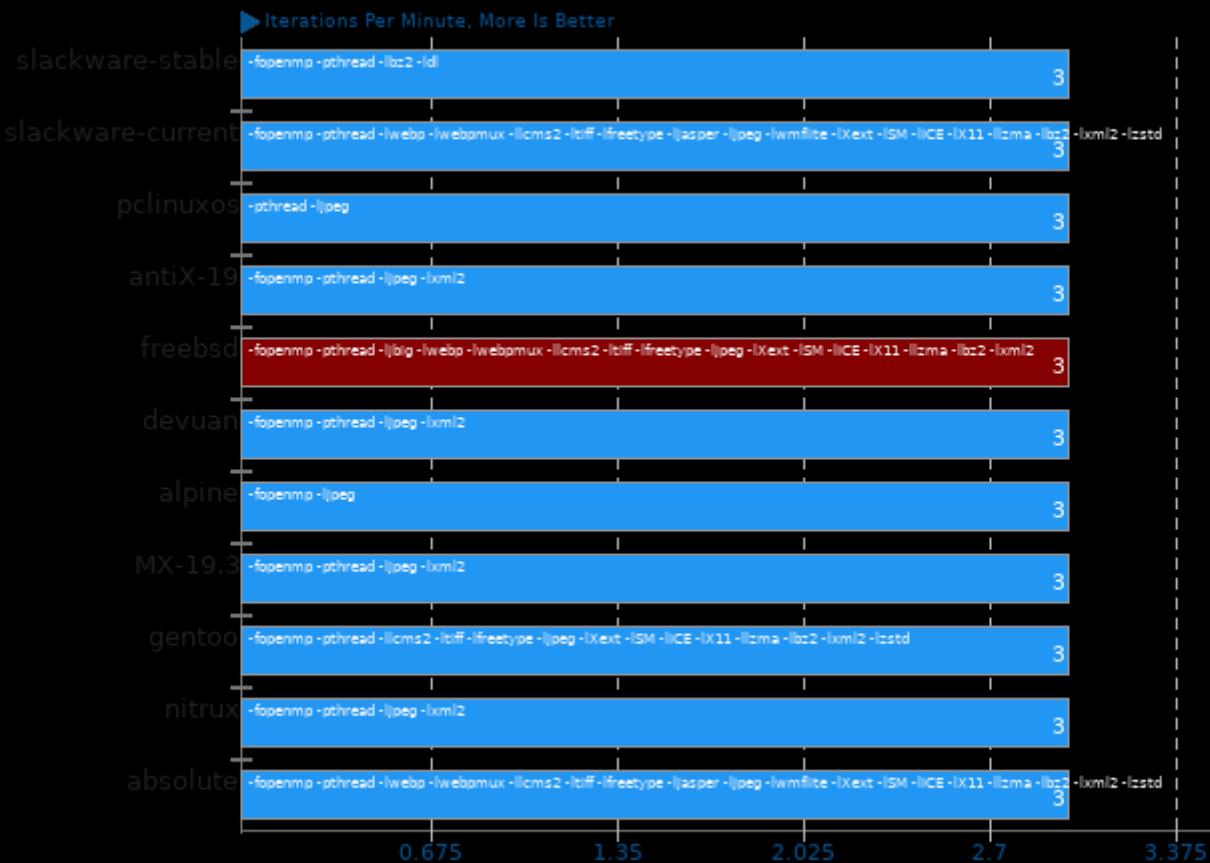
Operation: Sharpen



1. (CC) gcc options: -O2 -fz -fim -fthread

GraphicsMagick 1.3.33

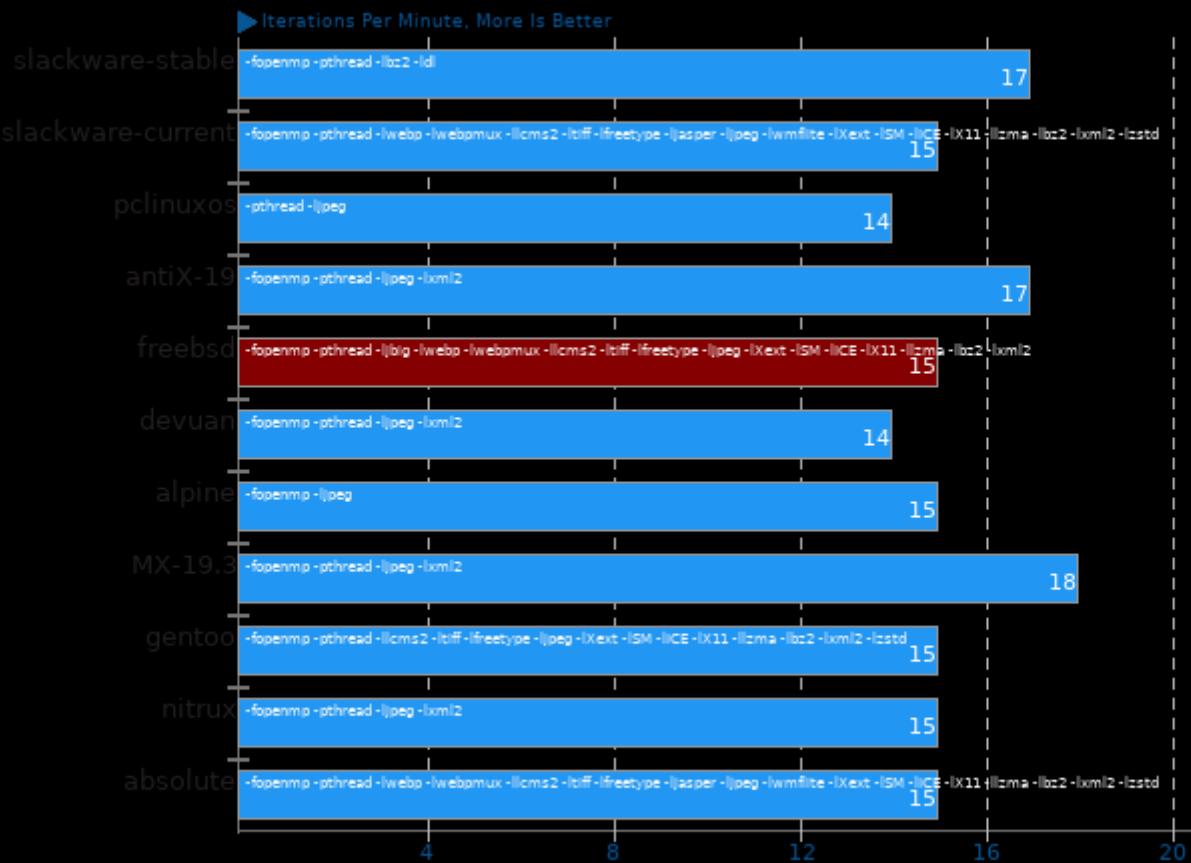
Operation: Enhanced



1. (CC) gcc options: -O2 -fz -fim -fthread

GraphicsMagick 1.3.33

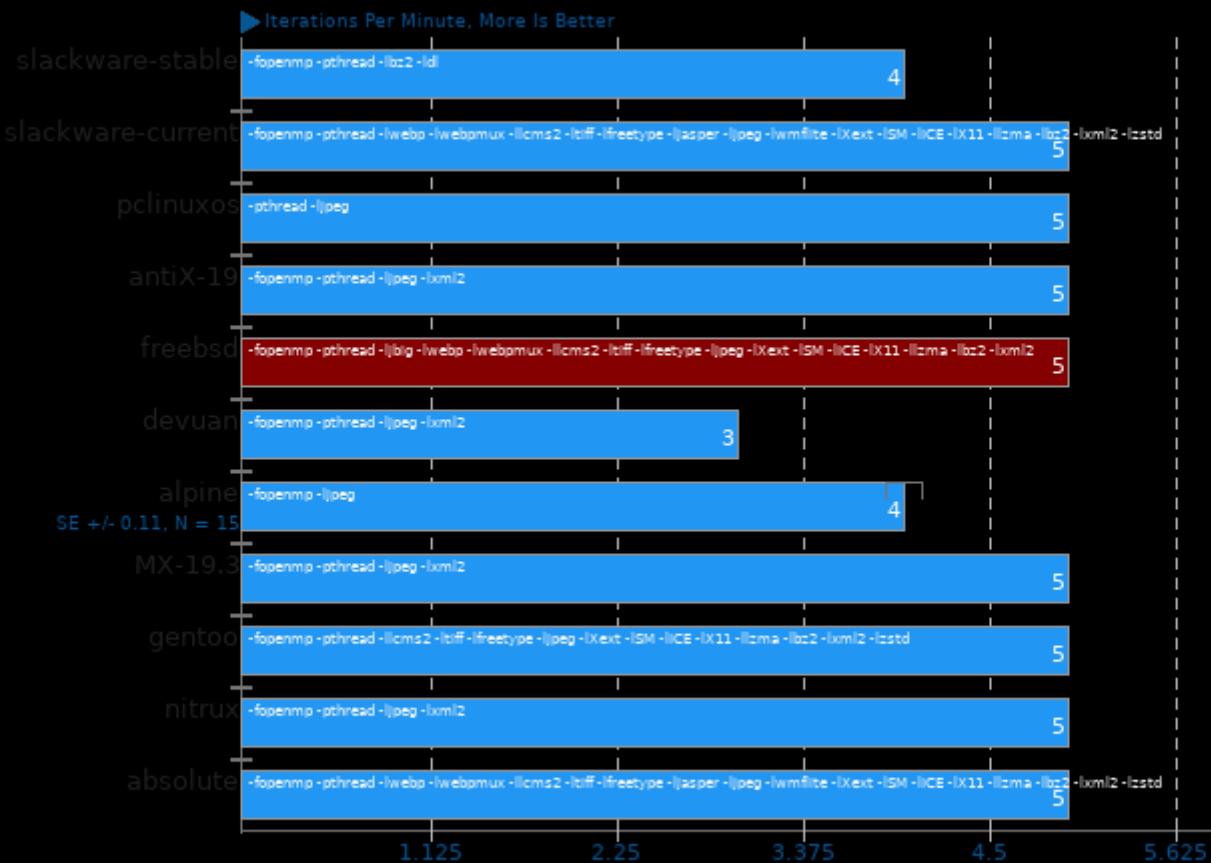
Operation: Resizing



1. (CC) gcc options: -O2 -Iz -Im -lpthread

GraphicsMagick 1.3.33

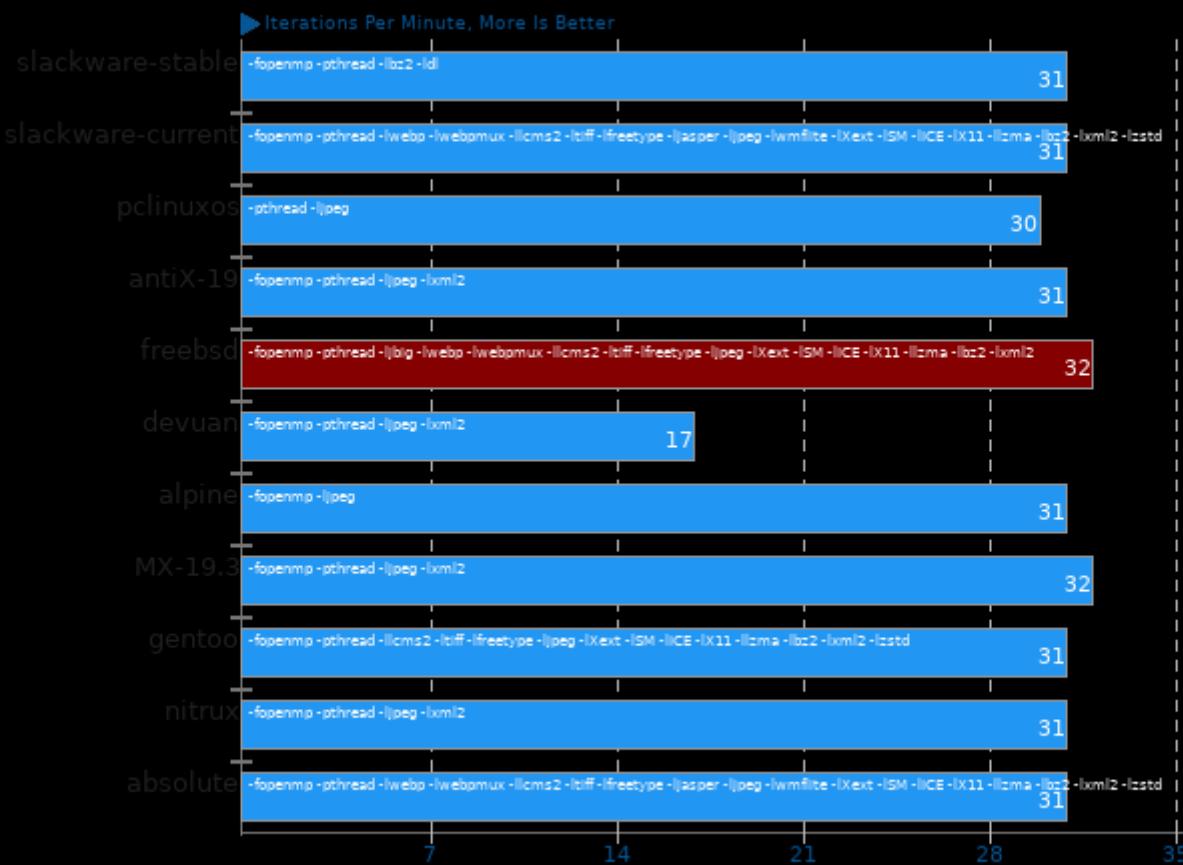
Operation: Noise-Gaussian



1. (CC) gcc options: -O2 -fz -fim -fthread

GraphicsMagick 1.3.33

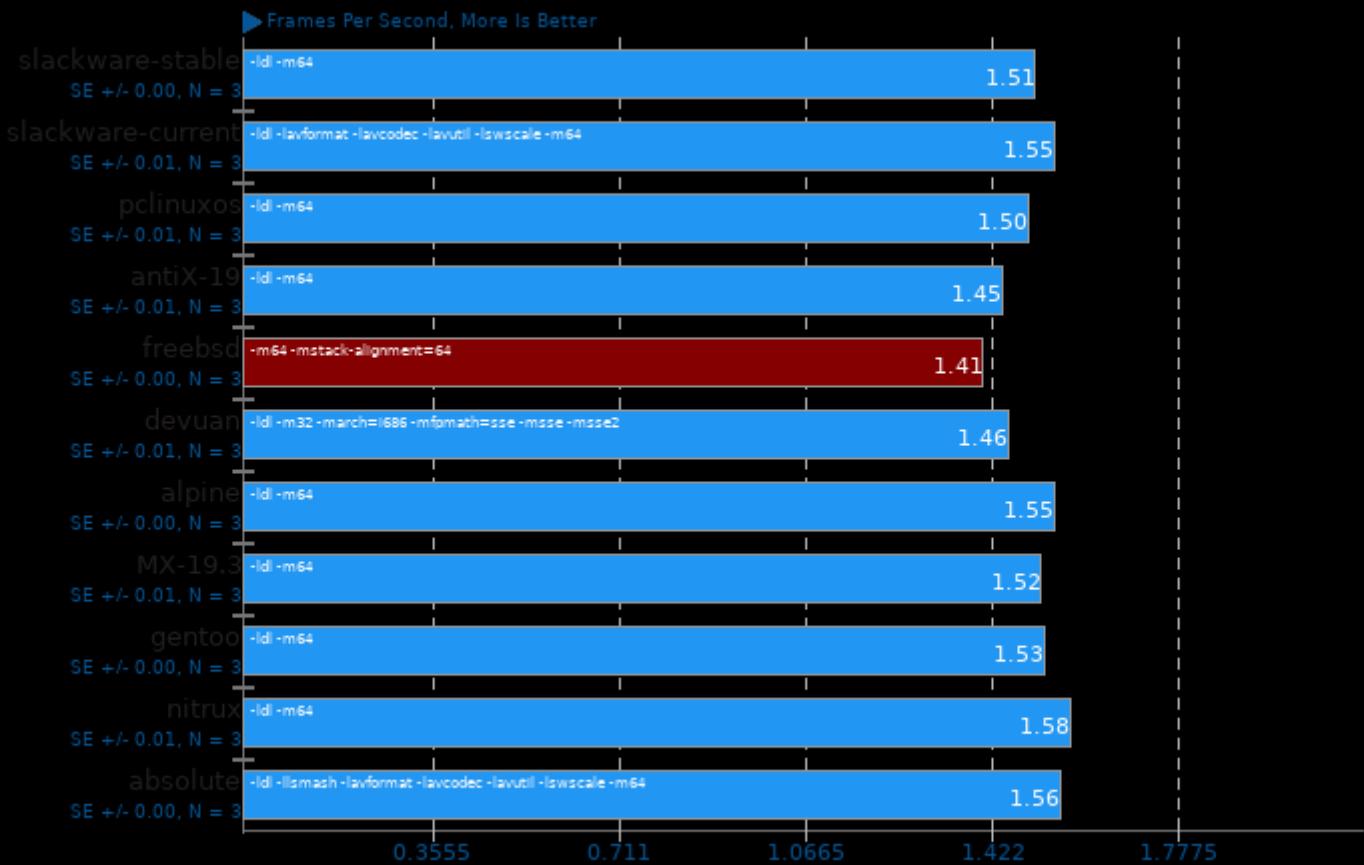
Operation: HWB Color Space



1. (CC) gcc options: -O2 -fz -fim -fthread

x264 2019-12-17

H.264 Video Encoding



1. (CC) gcc options: -lm -lpthread -O3 -ffast-math -std=gnu99 -fPIC -fomit-frame-pointer -fno-tree-vectorize

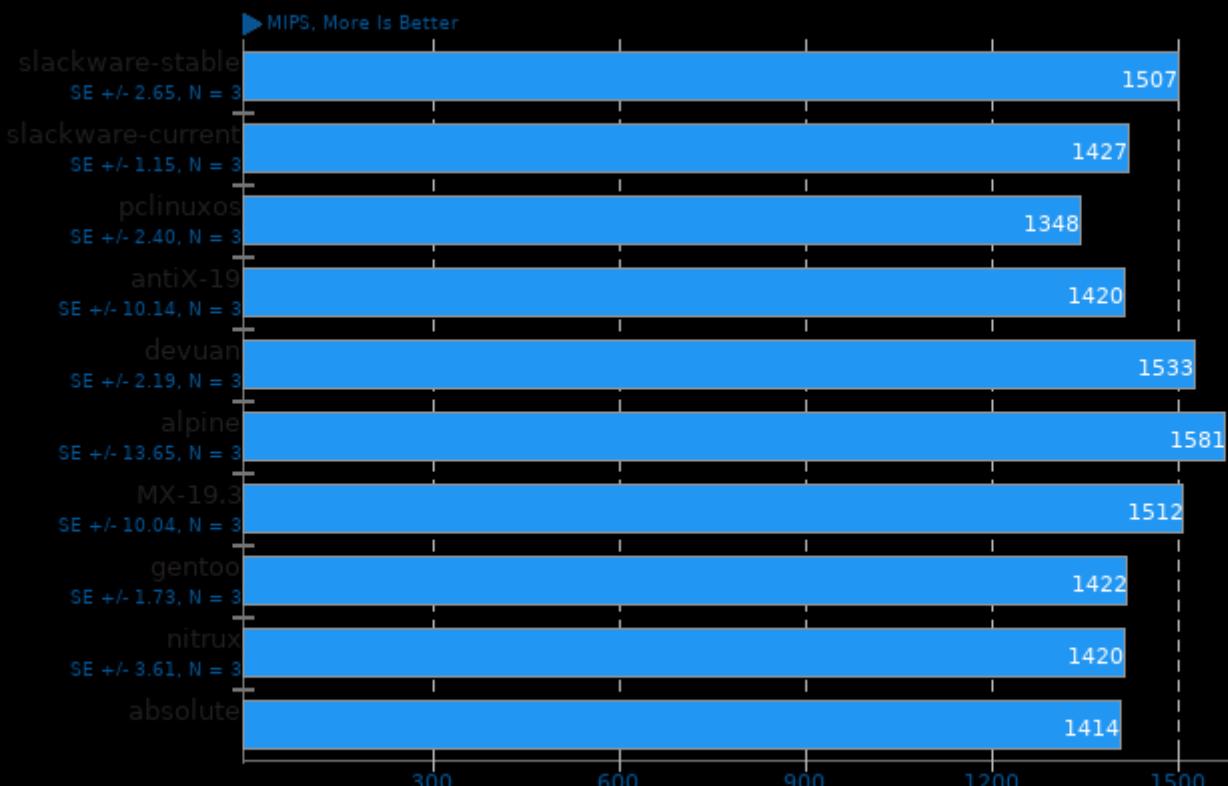
Himeno Benchmark 3.0

Poisson Pressure Solver



7-Zip Compression 16.02

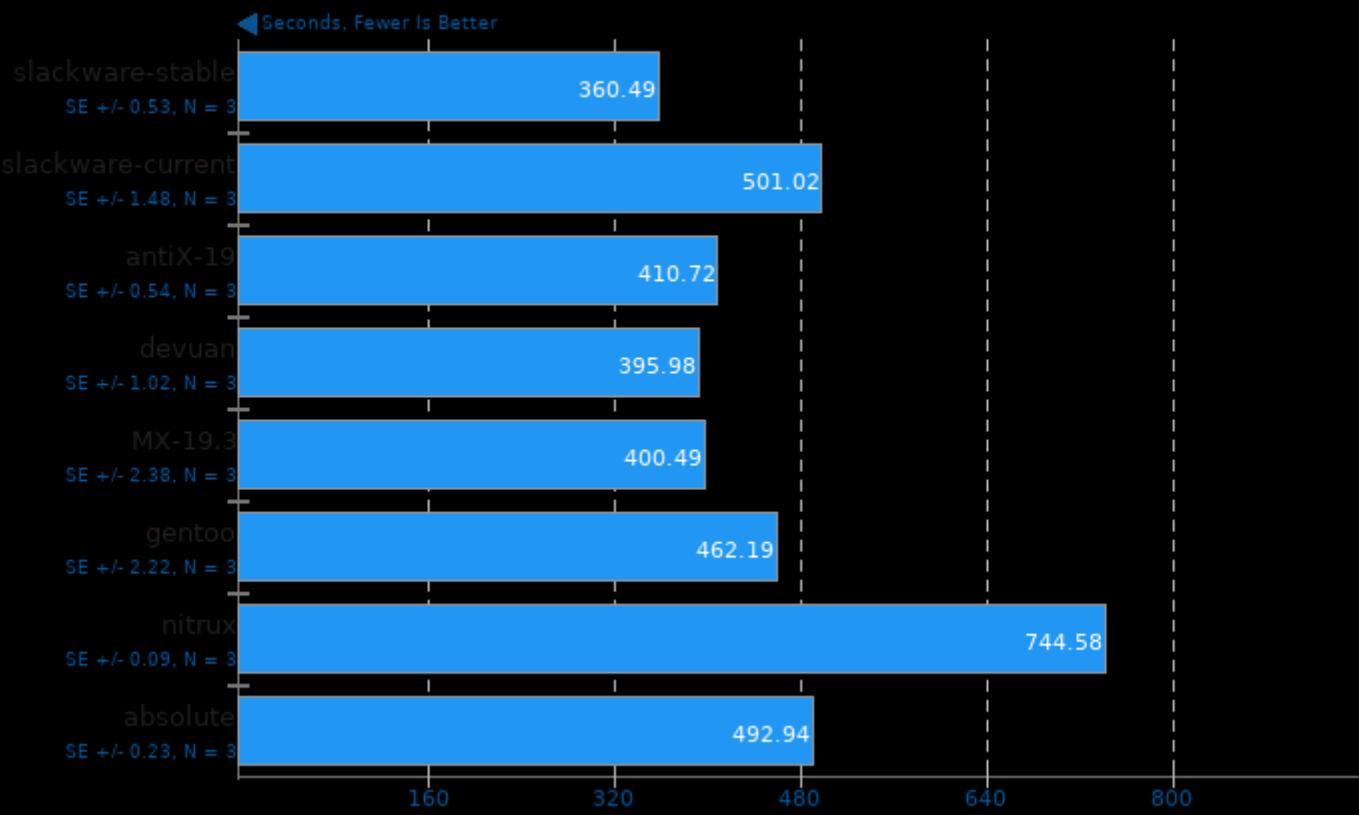
Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

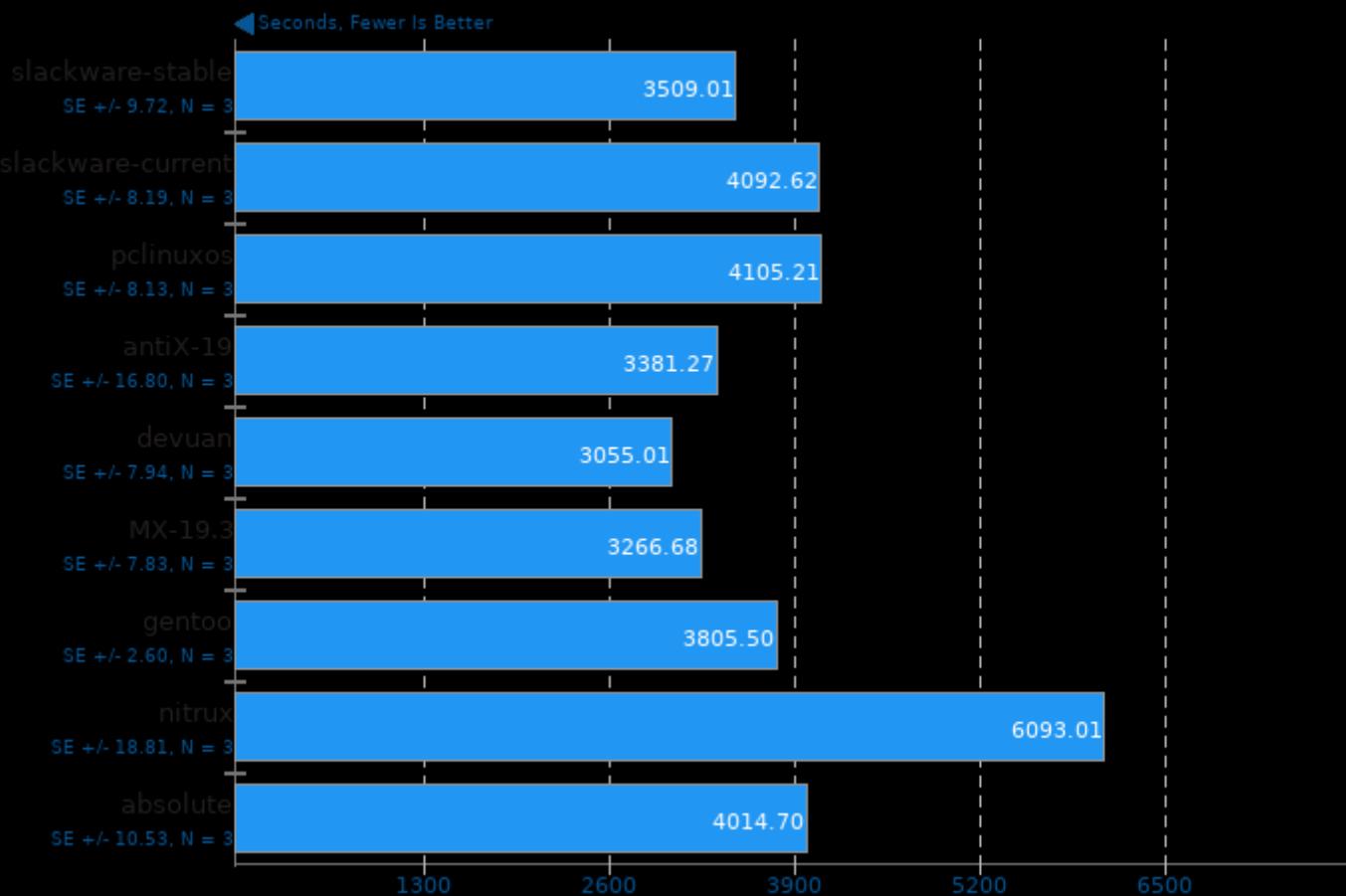
Timed Apache Compilation 2.4.41

Time To Compile



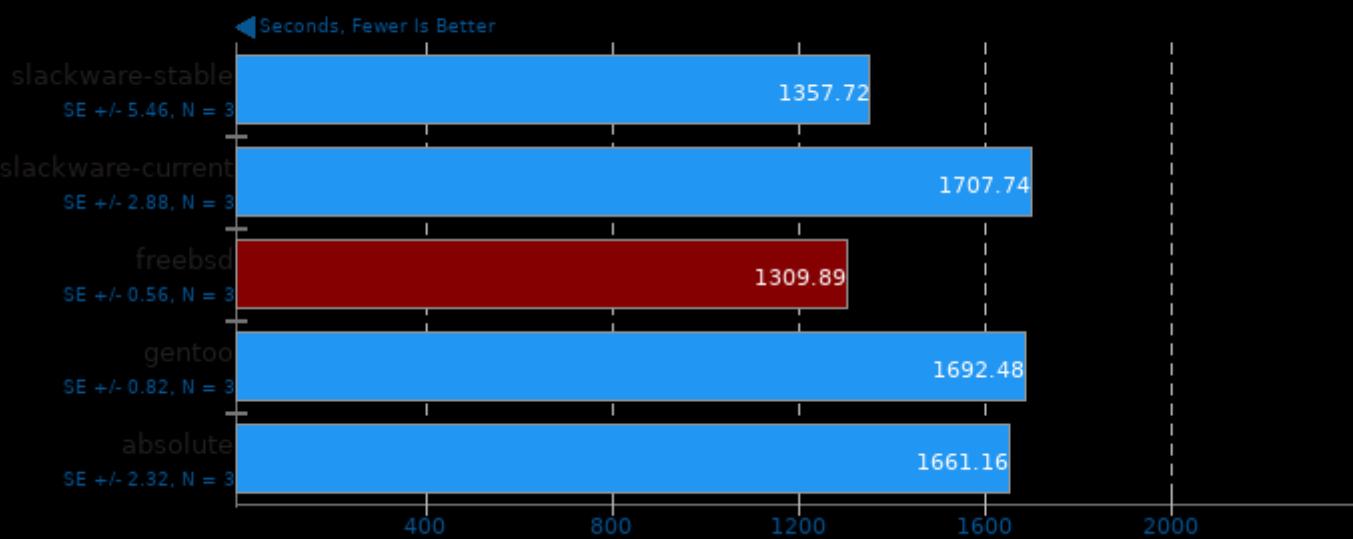
Timed Linux Kernel Compilation 5.4

Time To Compile



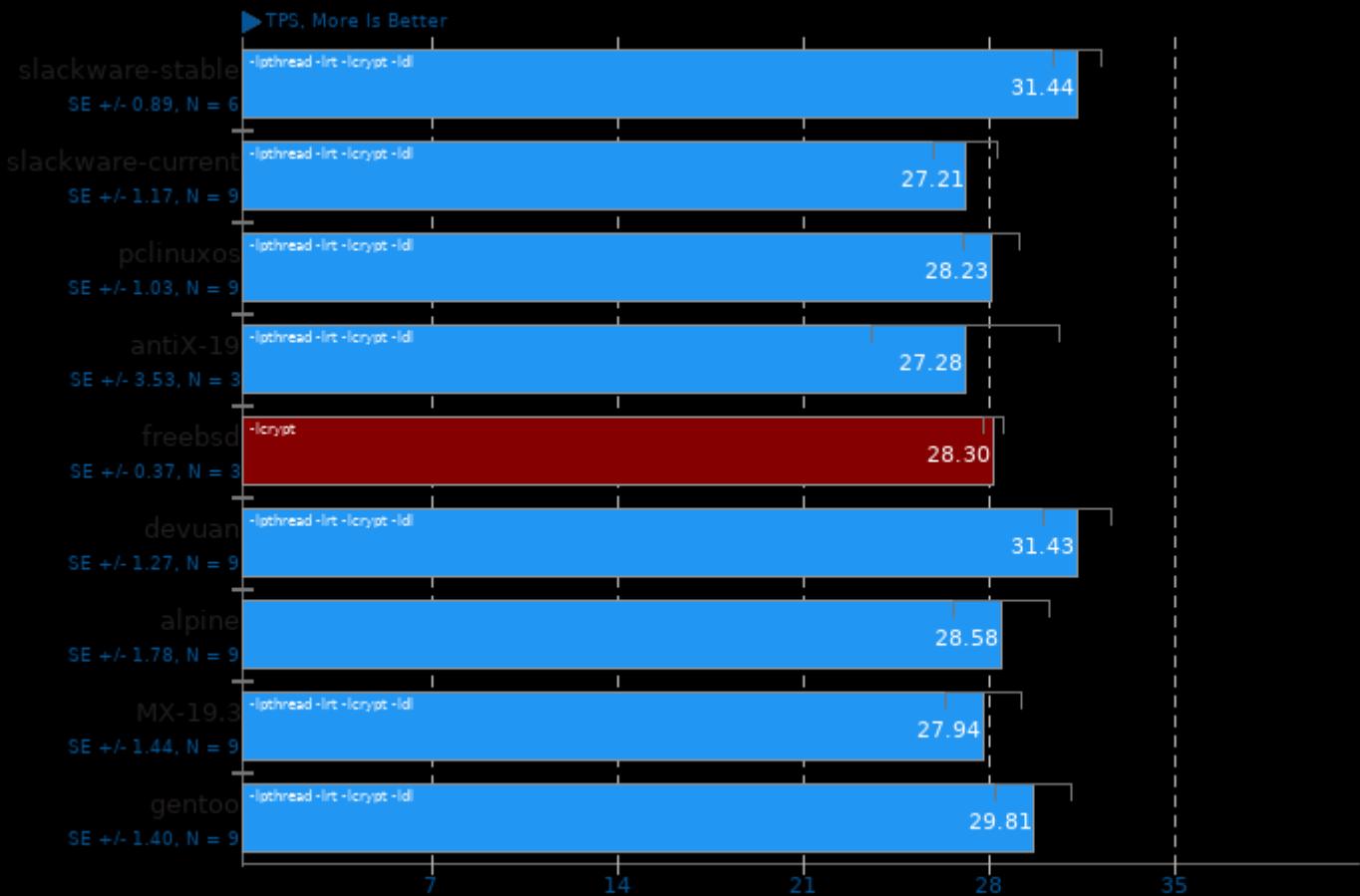
Timed PHP Compilation 7.4.2

Time To Compile



PostgreSQL pgbench 12.0

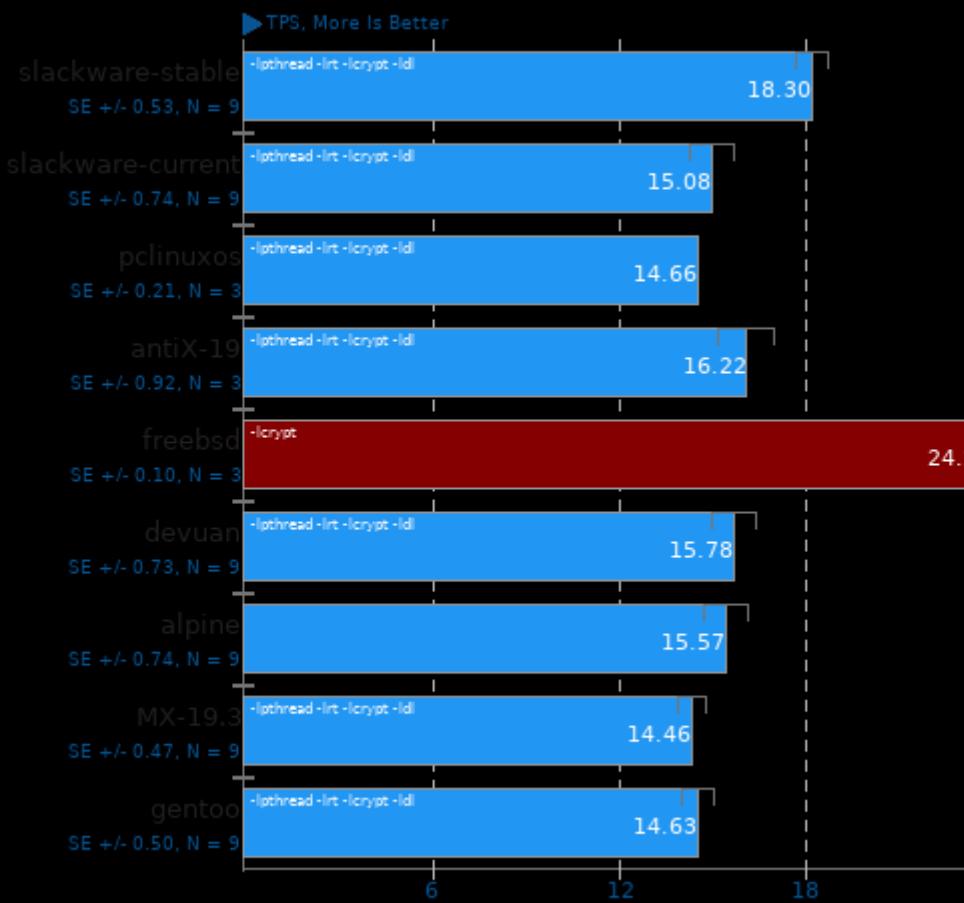
Scaling: On-Disk - Test: Single Thread - Mode: Read Only



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

PostgreSQL pgbench 12.0

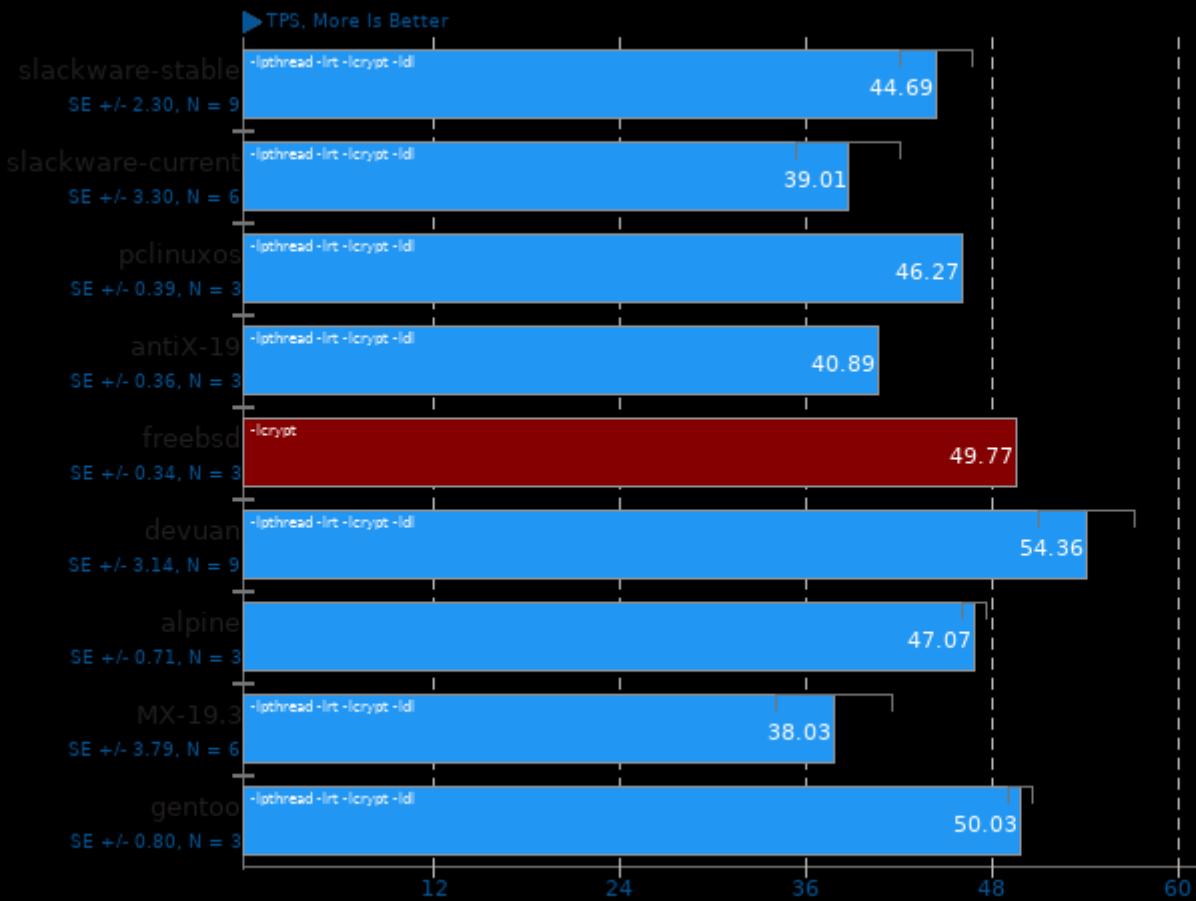
Scaling: On-Disk - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpccommon -lpccport -lm

PostgreSQL pgbench 12.0

Scaling: Mostly RAM - Test: Single Thread - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpqcommon -lpqport -lm

PostgreSQL pgbench 12.0

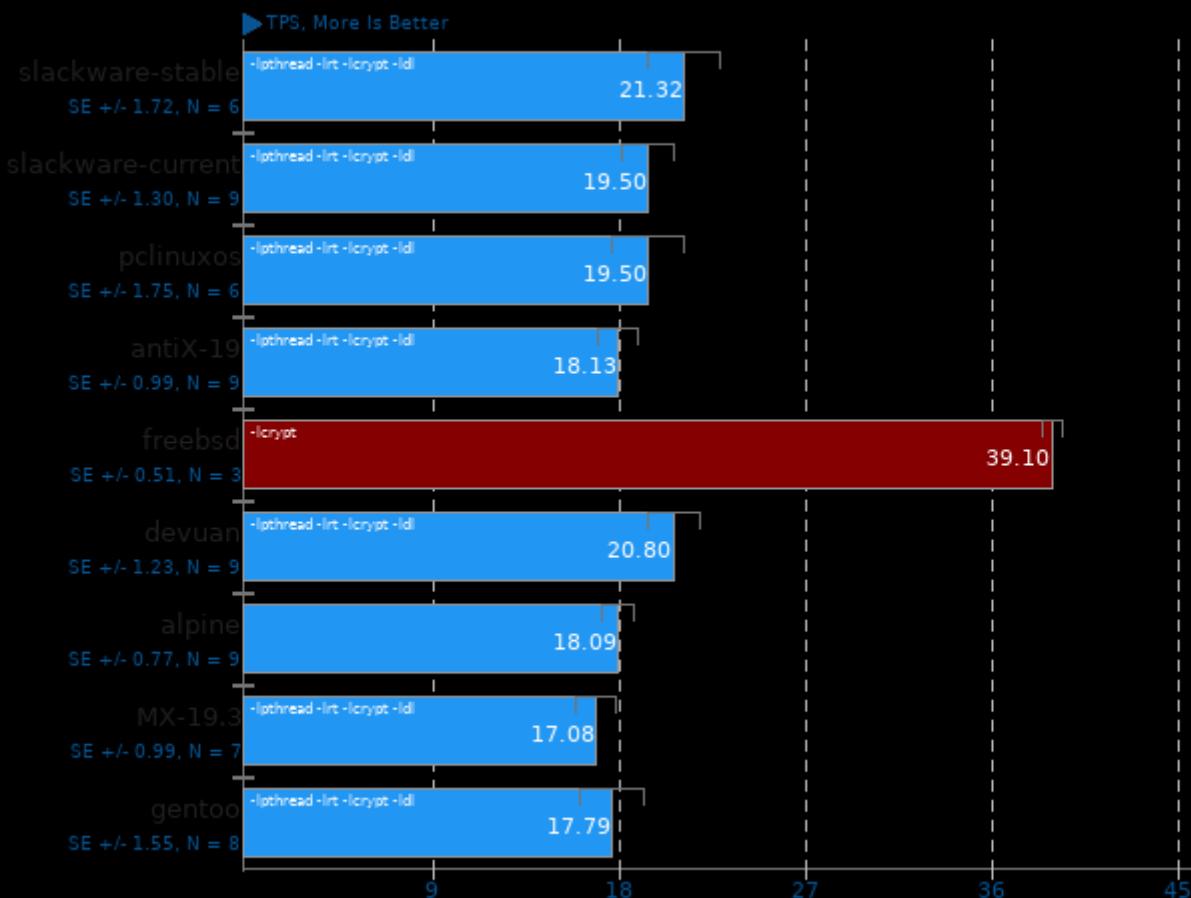
Scaling: Buffer Test - Test: Single Thread - Mode: Read Only



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpcommon -lpport -lm

PostgreSQL pgbench 12.0

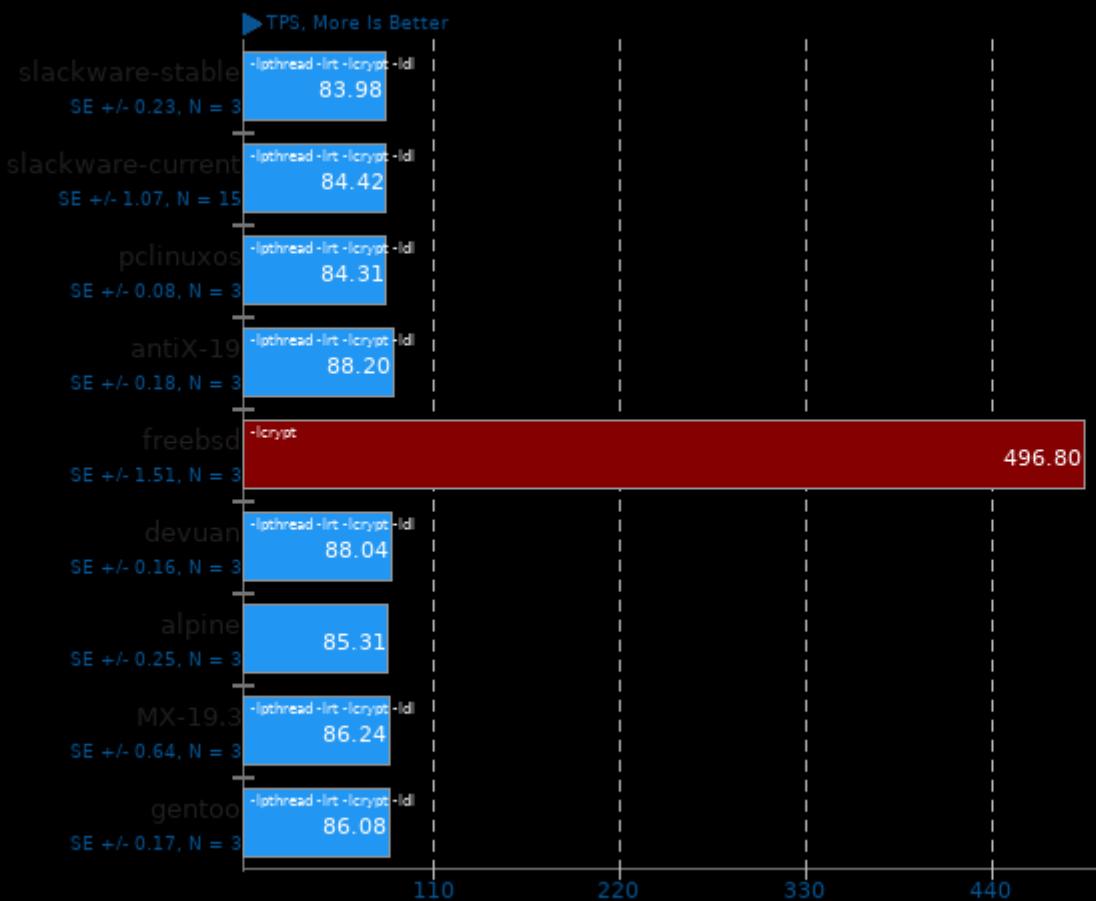
Scaling: Mostly RAM - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpcommon -lpport -lm

PostgreSQL pgbench 12.0

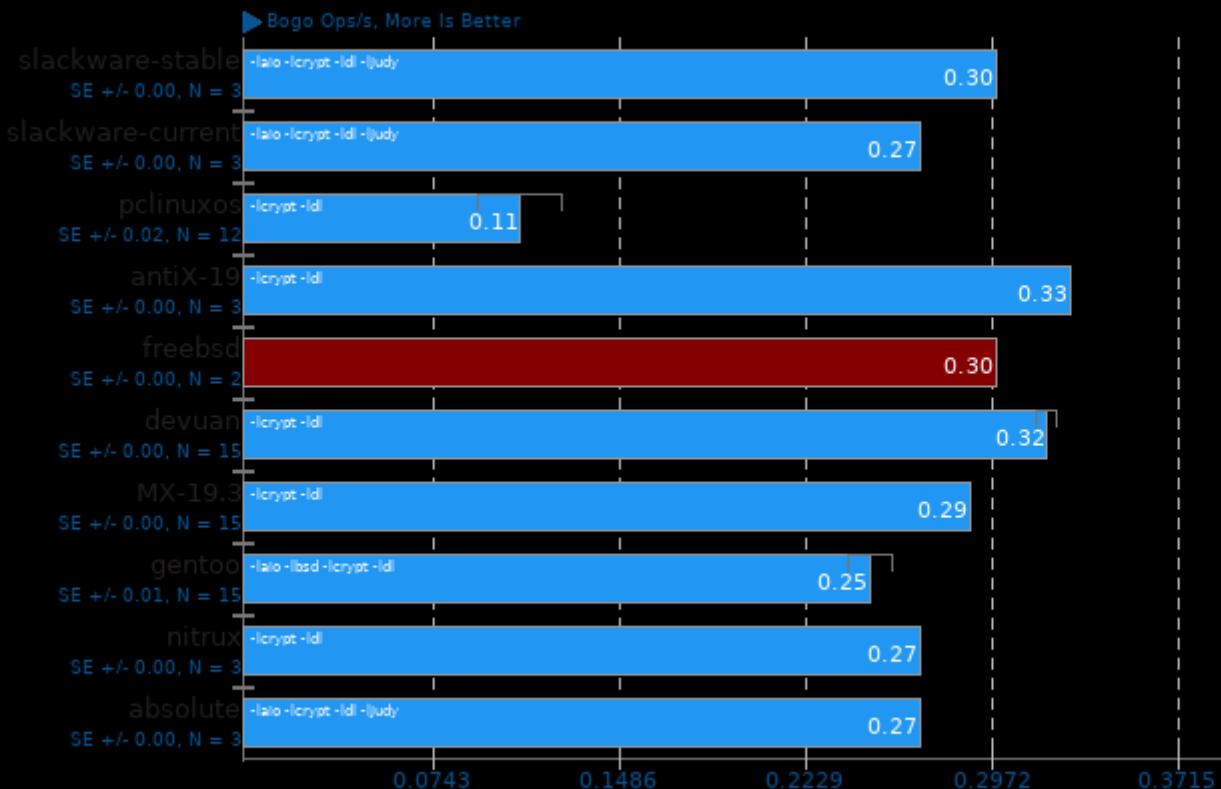
Scaling: Buffer Test - Test: Single Thread - Mode: Read Write



1. (CC) gcc options: -fno-strict-aliasing -fwrapv -O2 -lpcommon -lpport -lm

Stress-NG 0.11.07

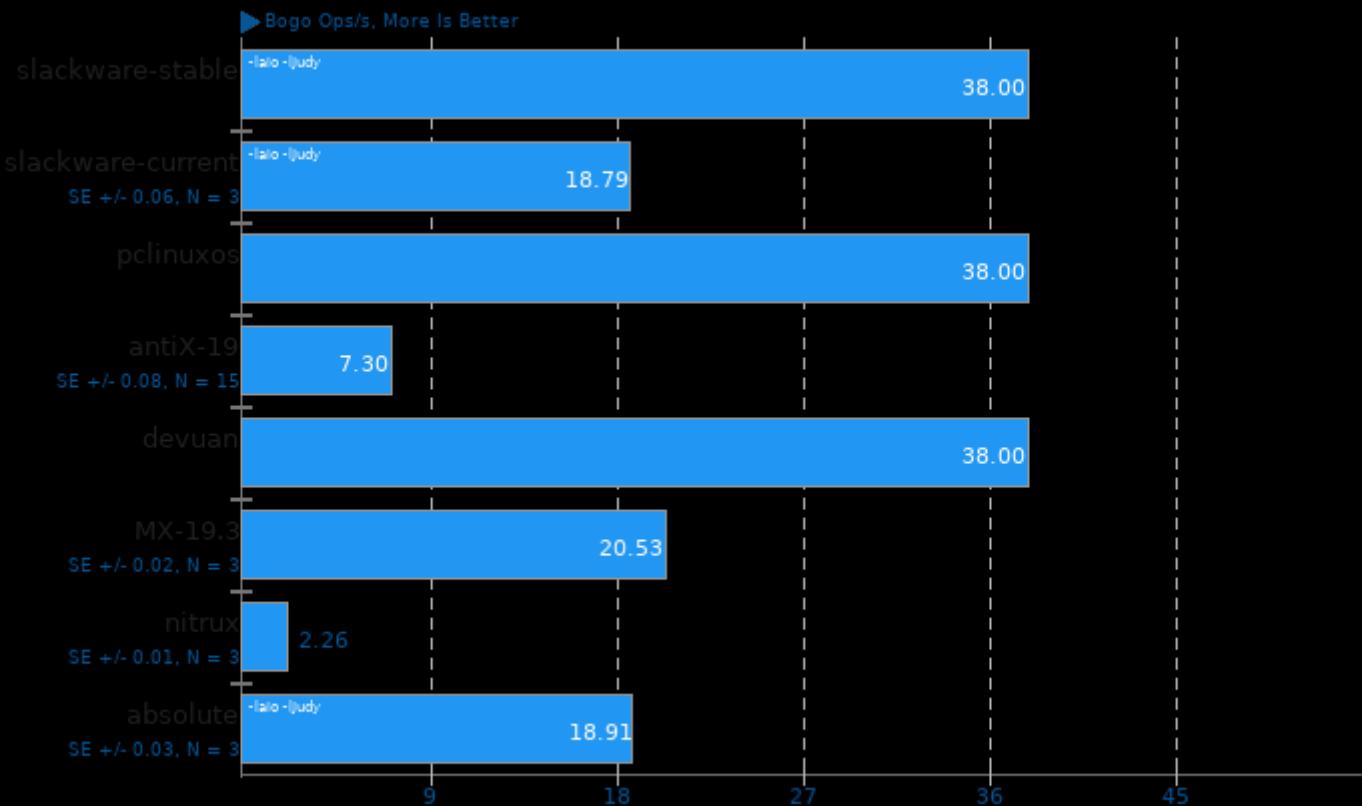
Test: MMAP



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

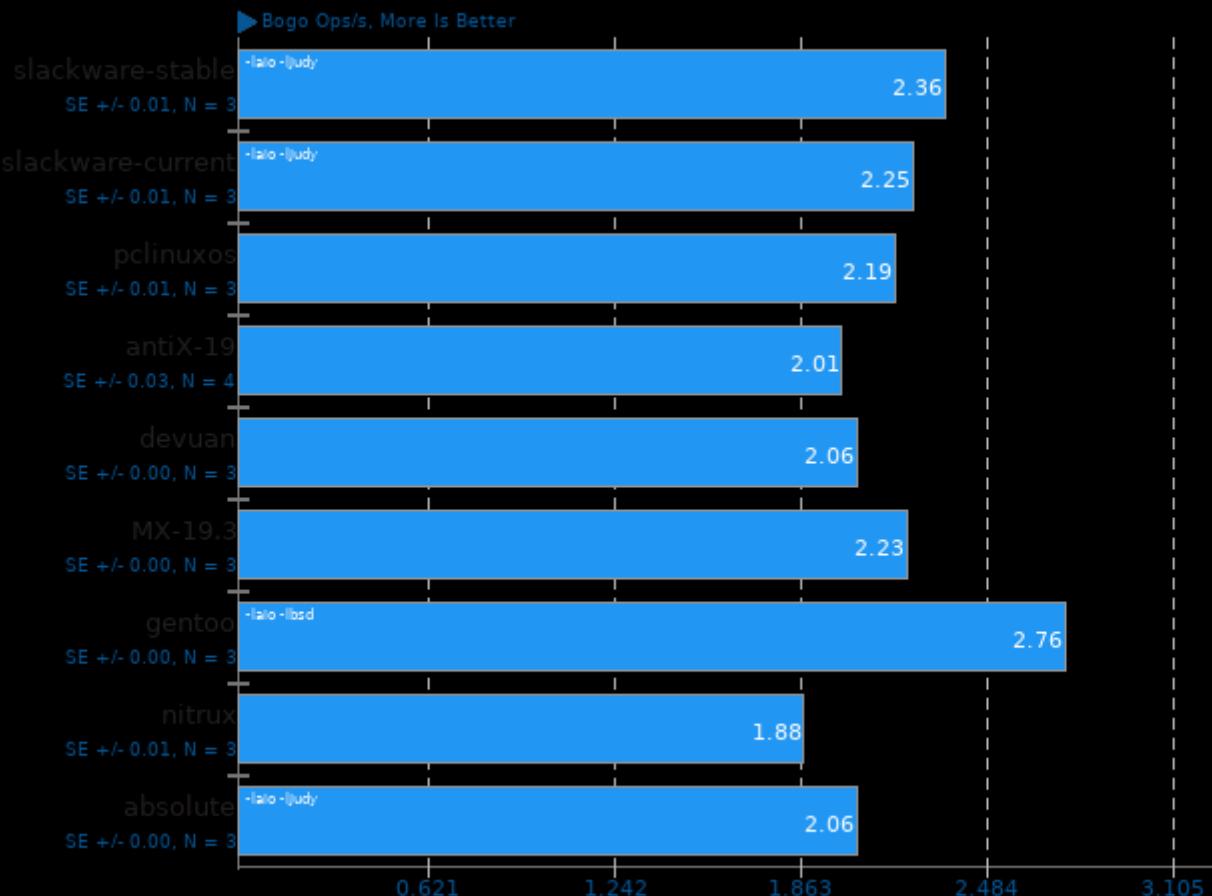
Test: NUMA



1. (CC) gcc options: -O2 -std=gnu99 -lm -lcrypt -lnt -lz -ldl -lpthread -lc

Stress-NG 0.11.07

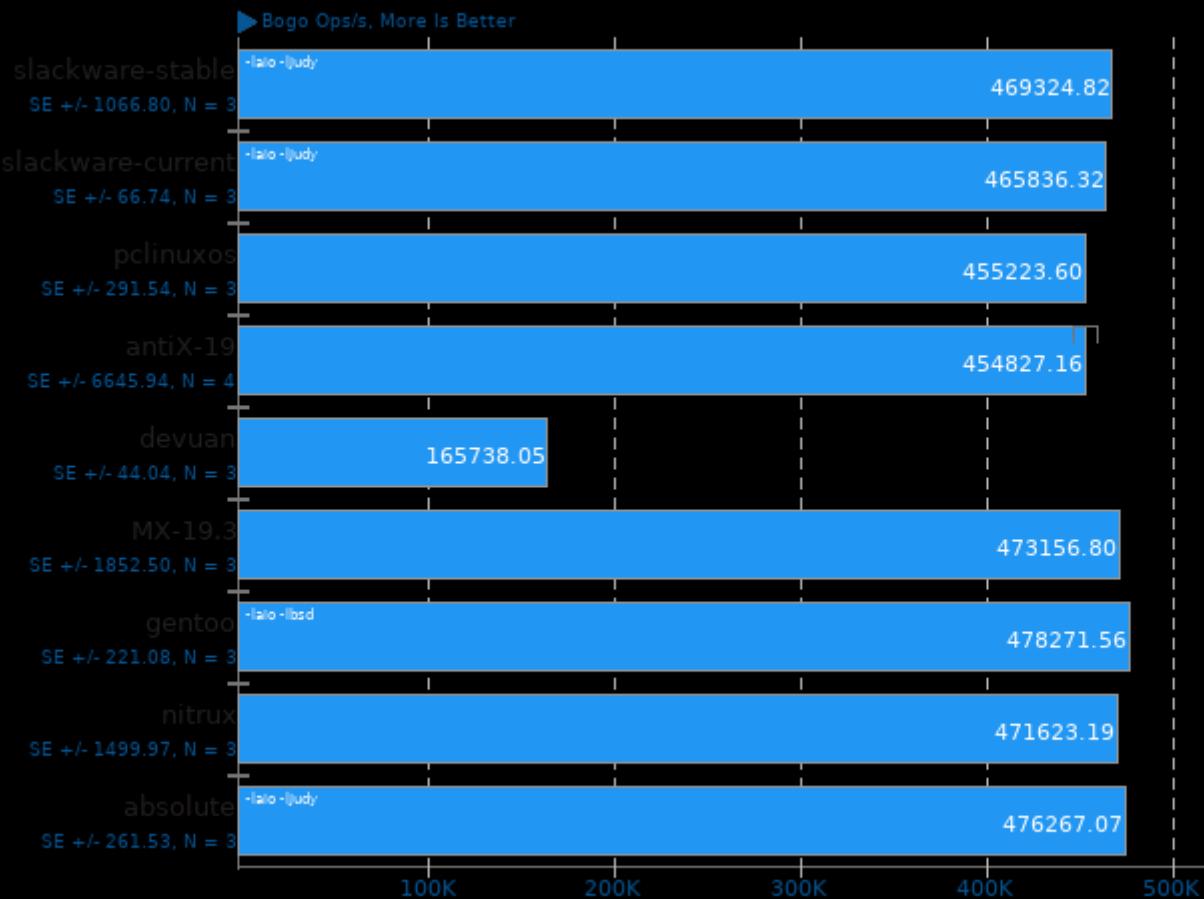
Test: MEMFD



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

Stress-NG 0.11.07

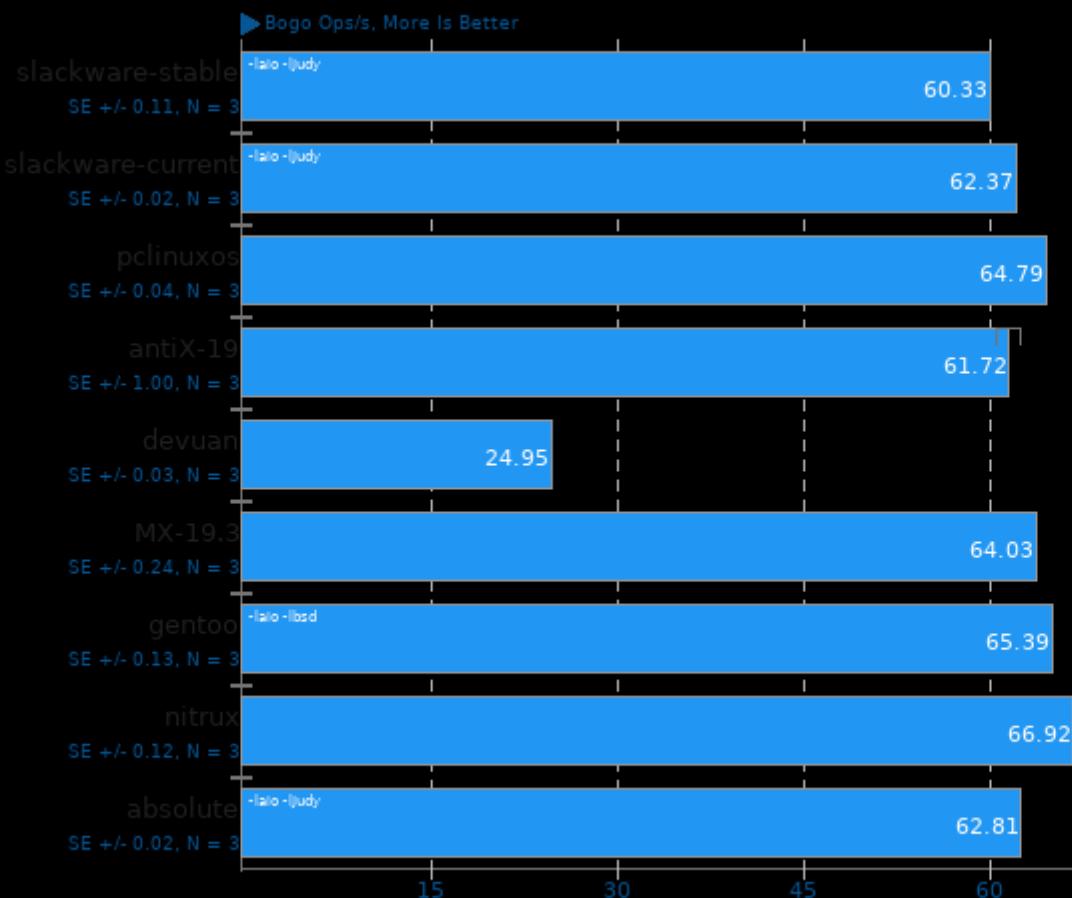
Test: Atomic



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

Stress-NG 0.11.07

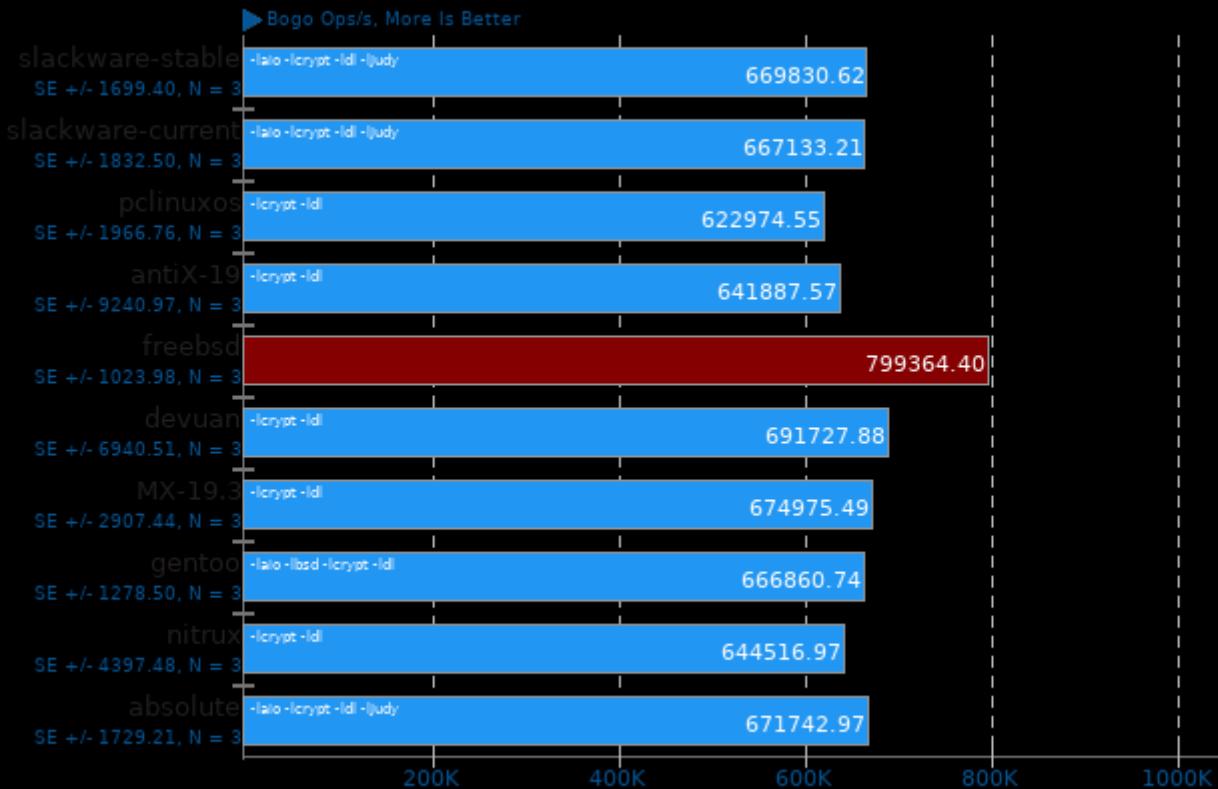
Test: Crypto



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

Stress-NG 0.11.07

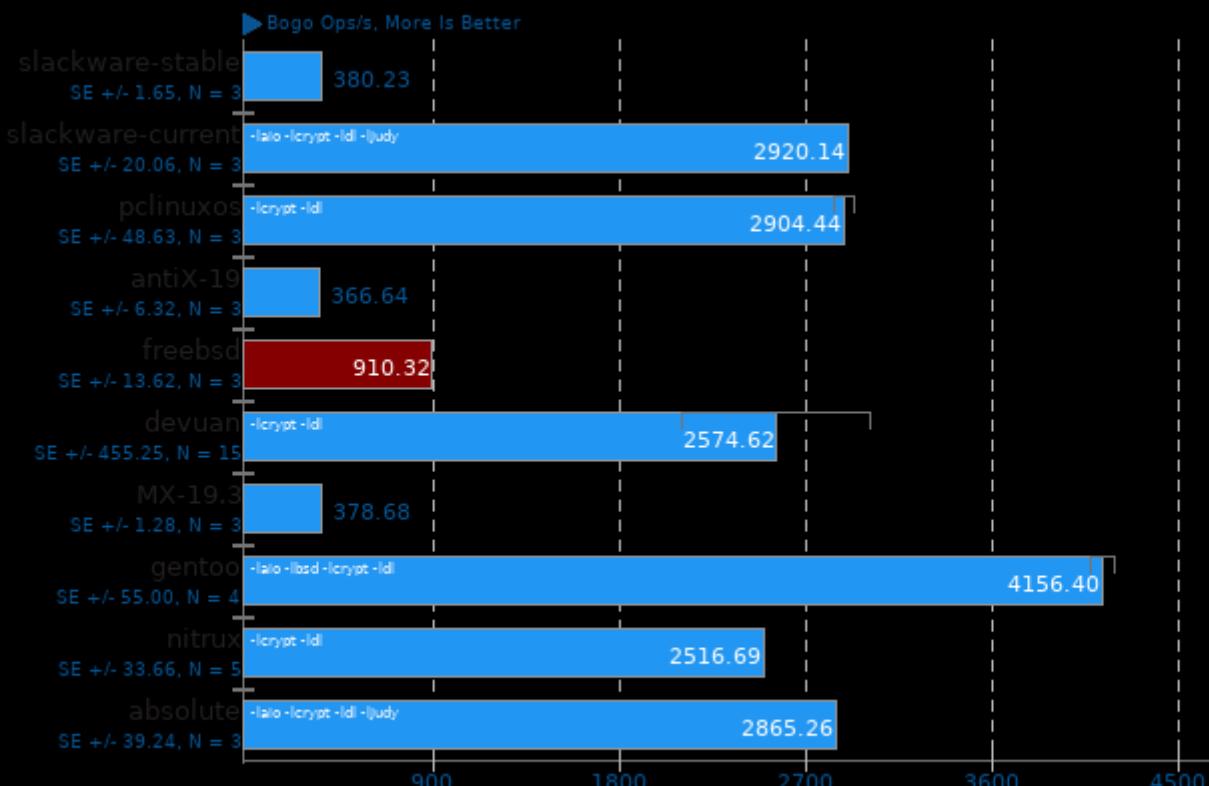
Test: Malloc



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

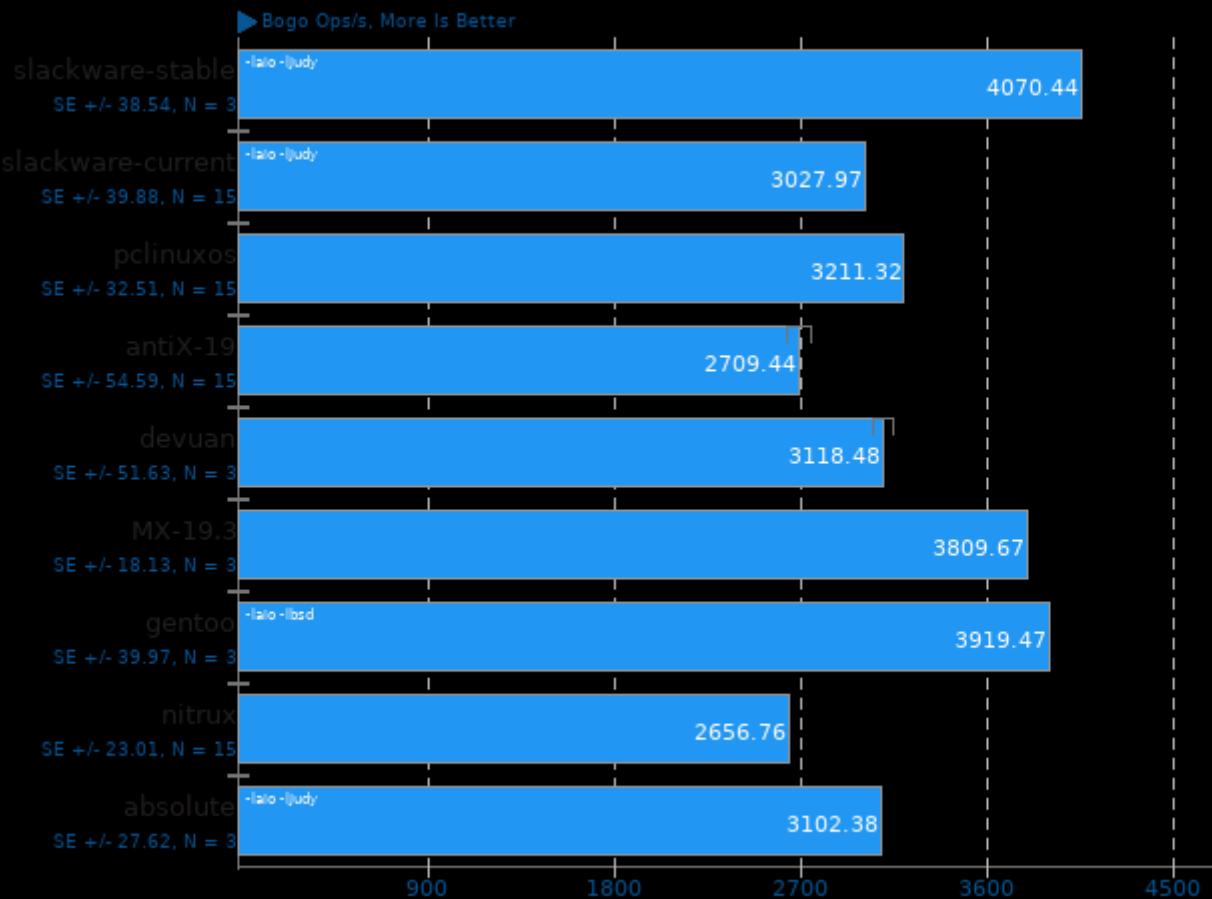
Test: Forking



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

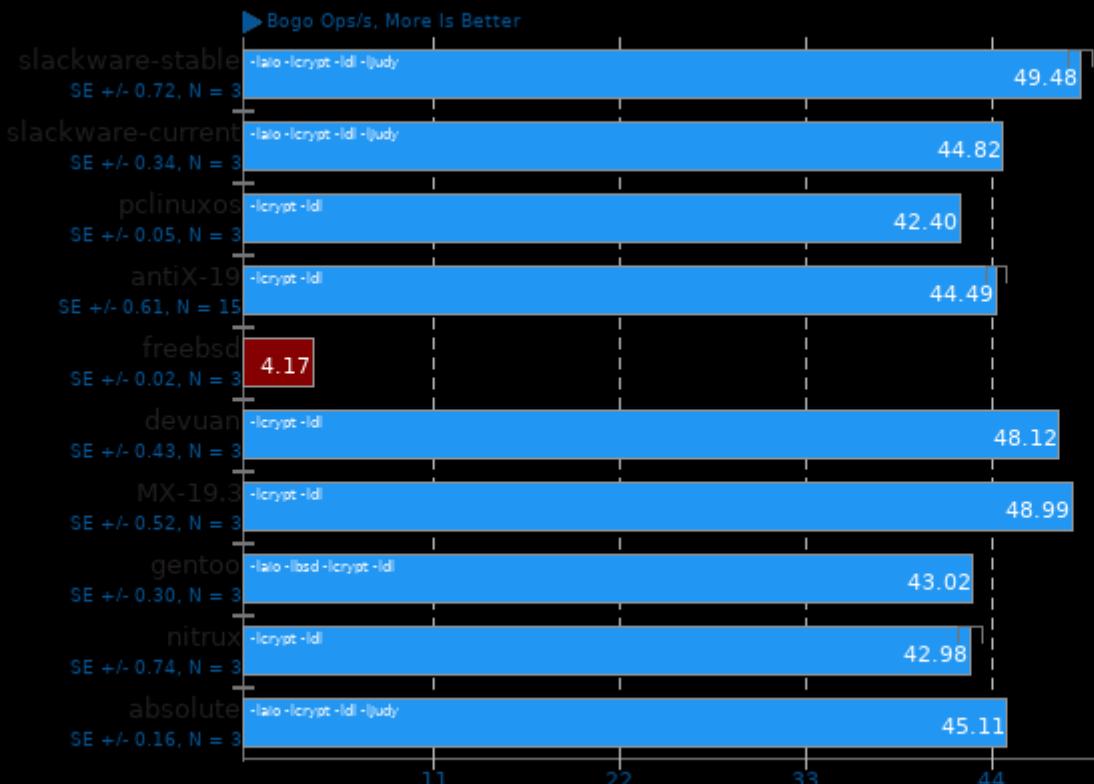
Test: SENDFILE



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

Stress-NG 0.11.07

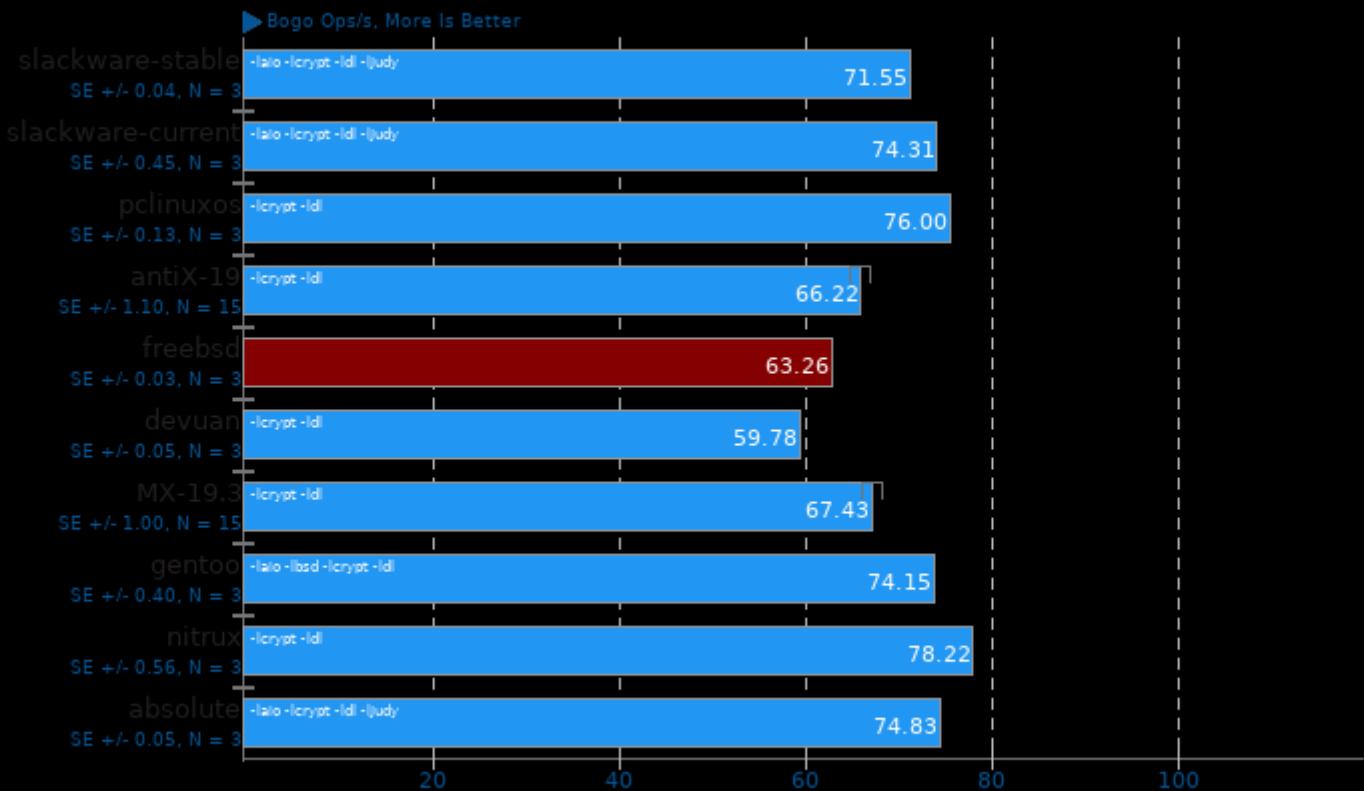
Test: CPU Cache



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

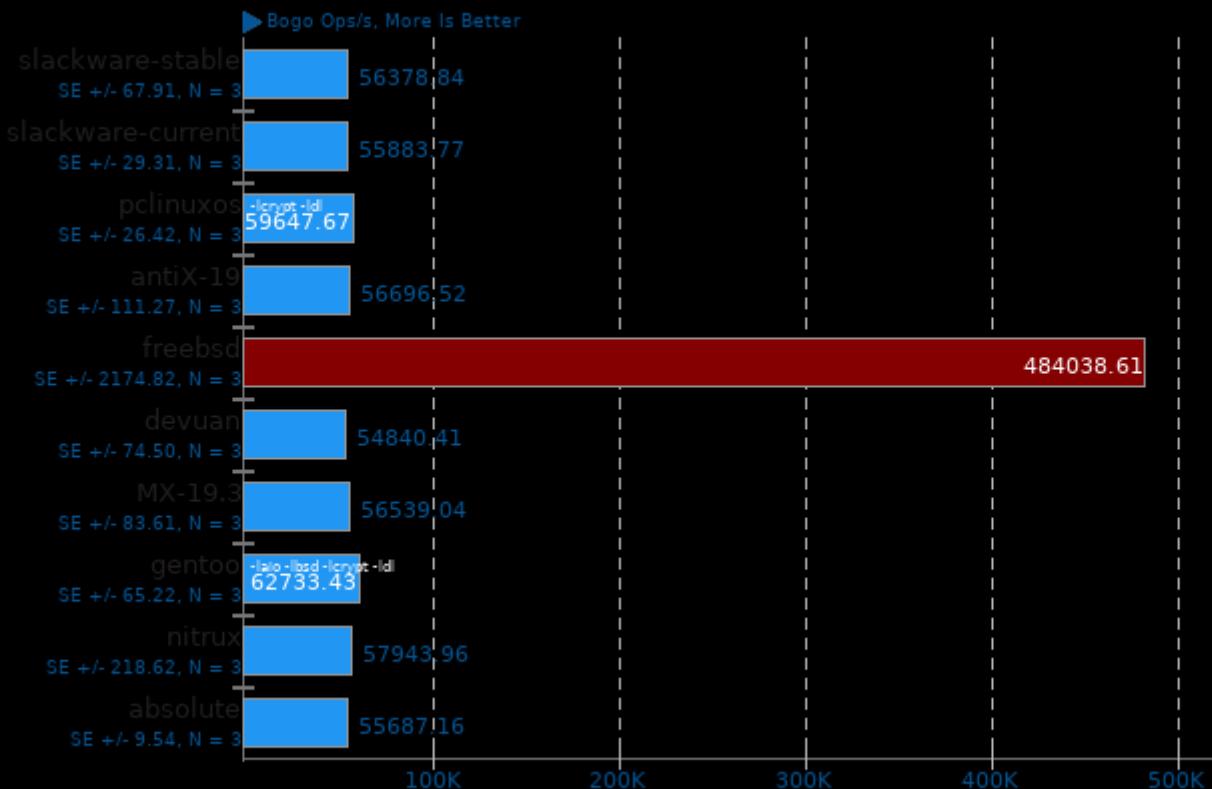
Test: CPU Stress



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

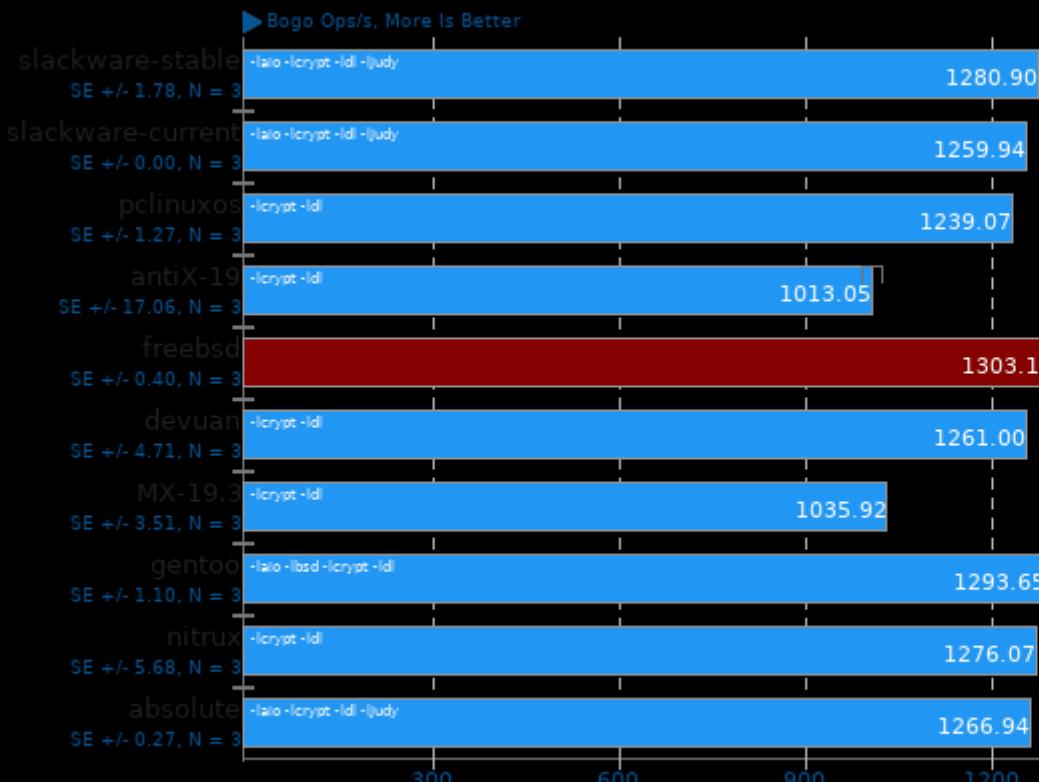
Test: Semaphores



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

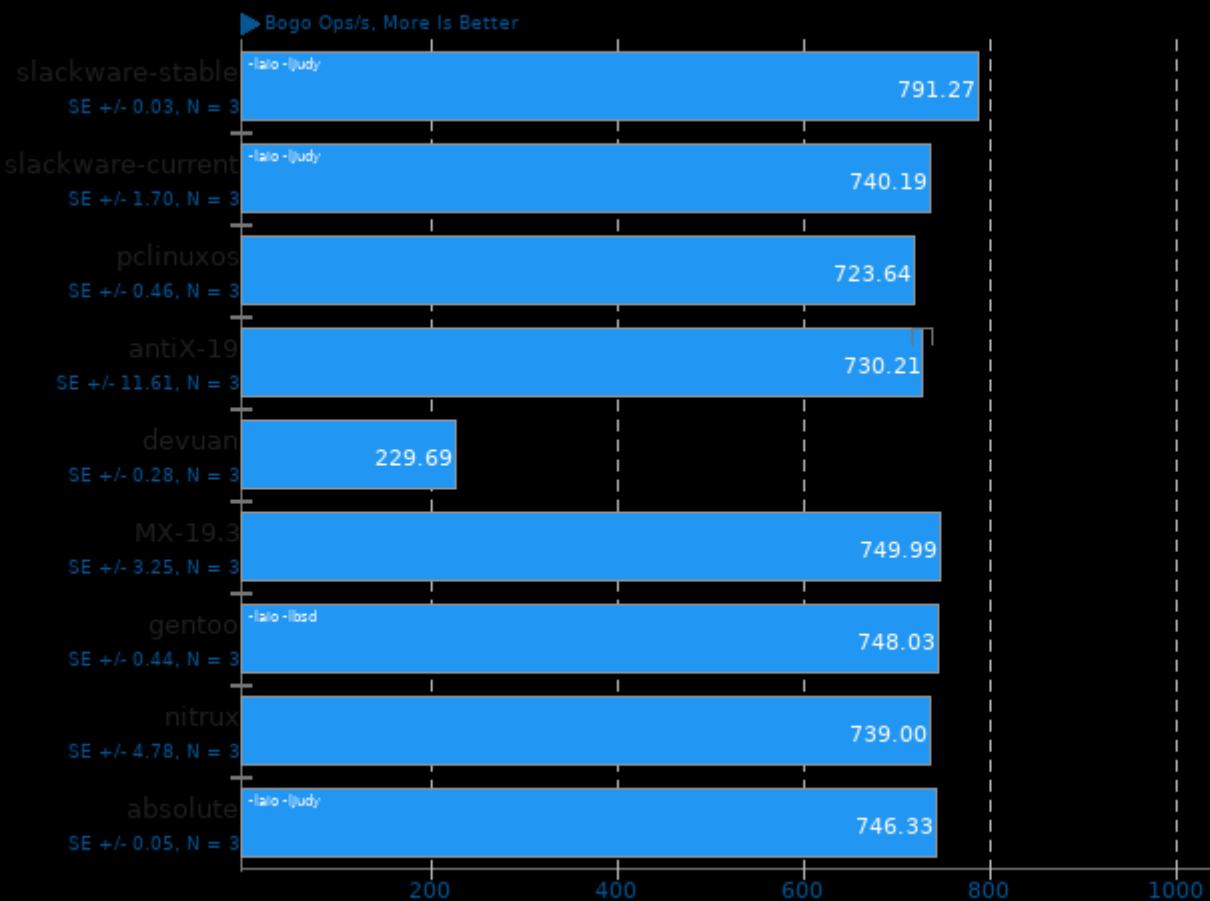
Test: Matrix Math



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

Test: Vector Math



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

Stress-NG 0.11.07

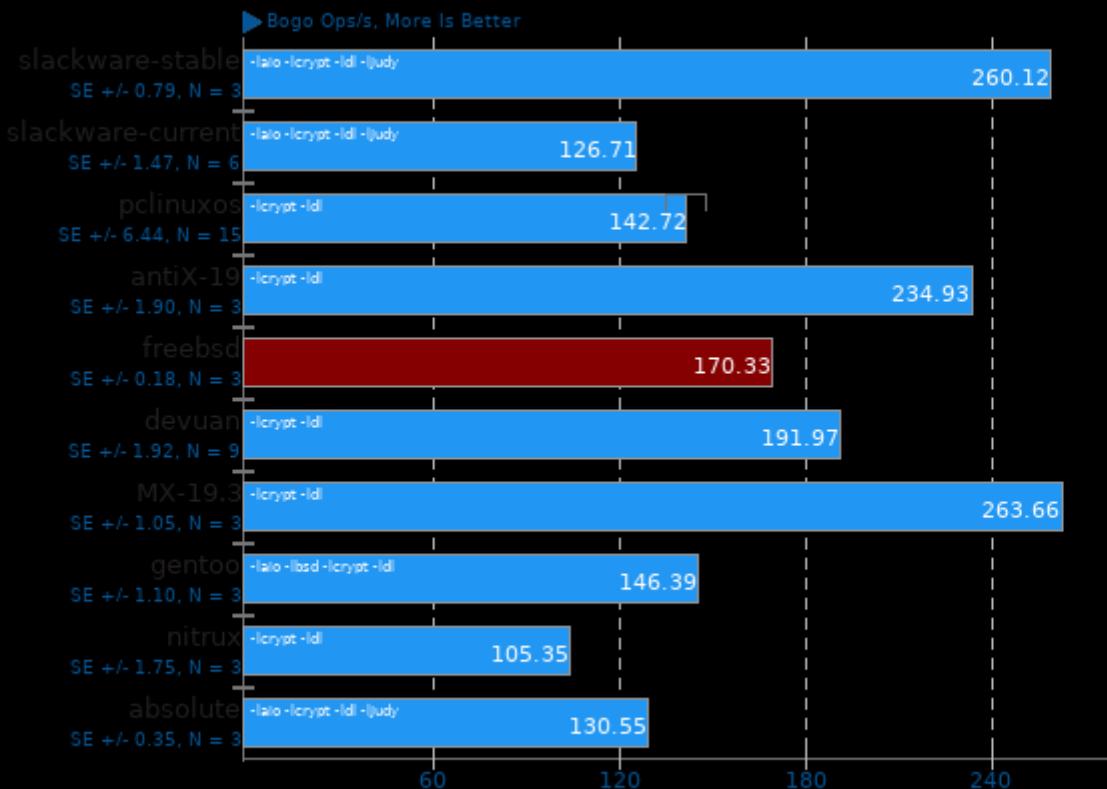
Test: Memory Copying



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

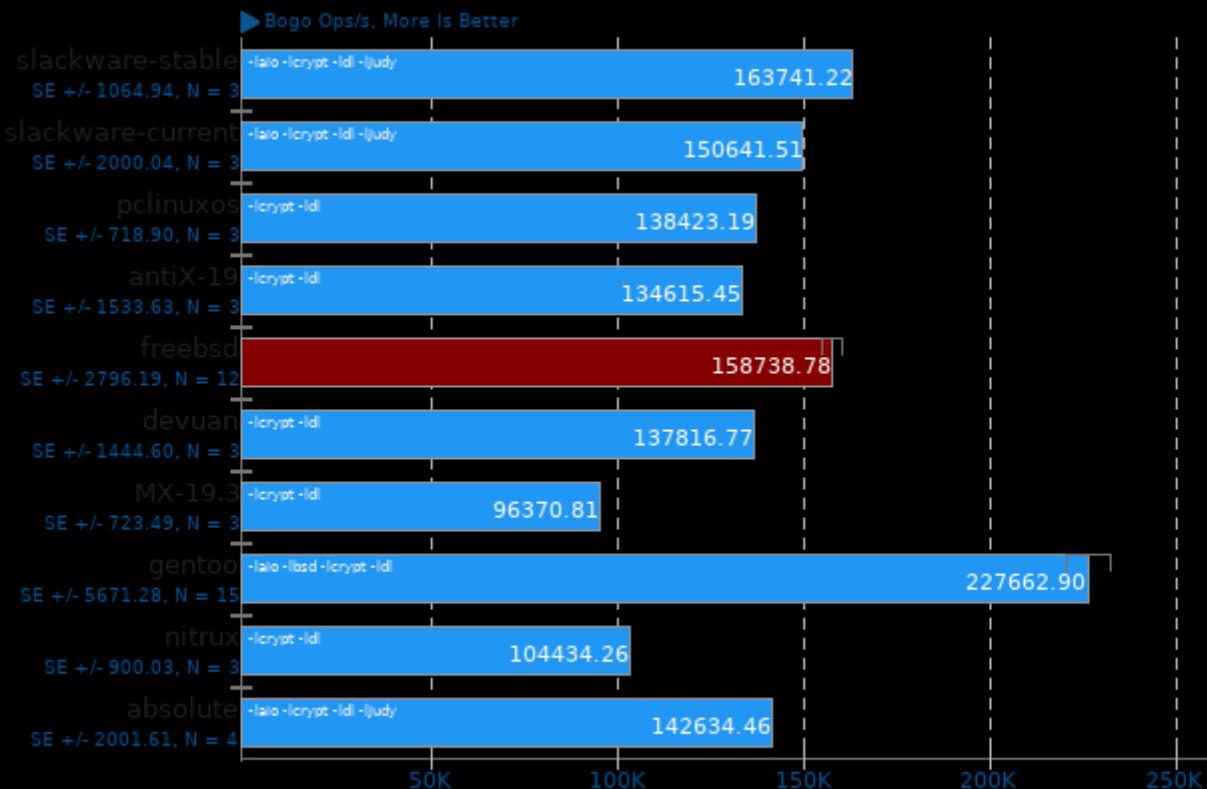
Test: Socket Activity



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

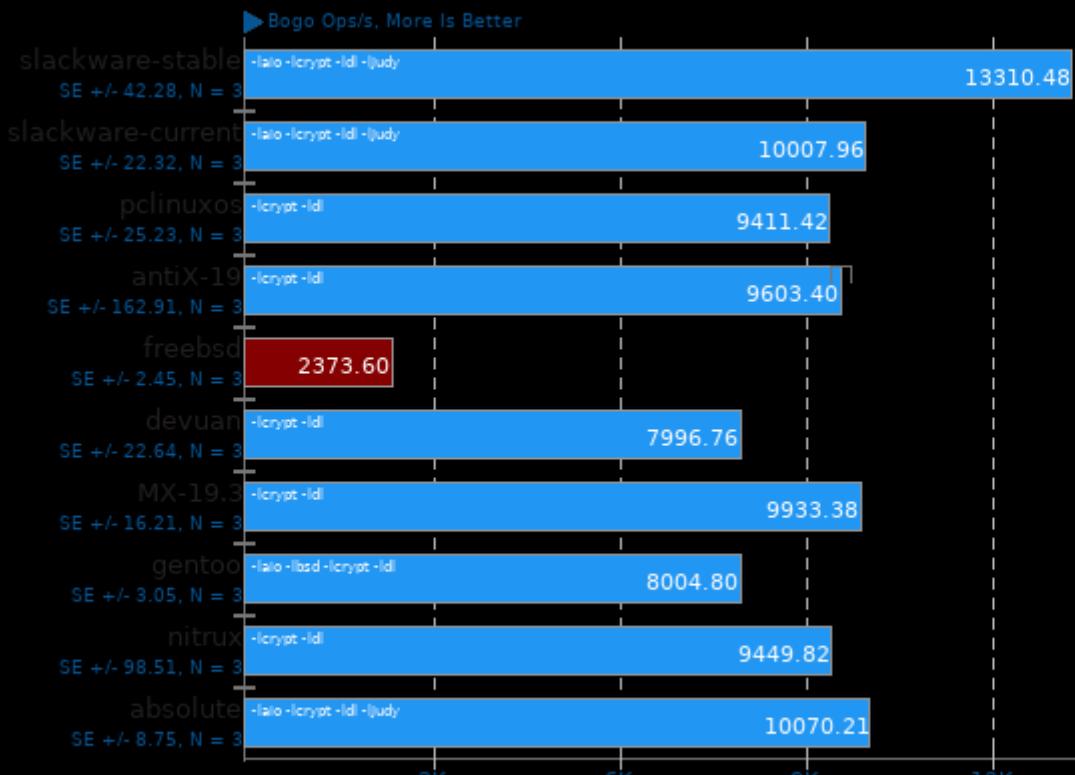
Test: Context Switching



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

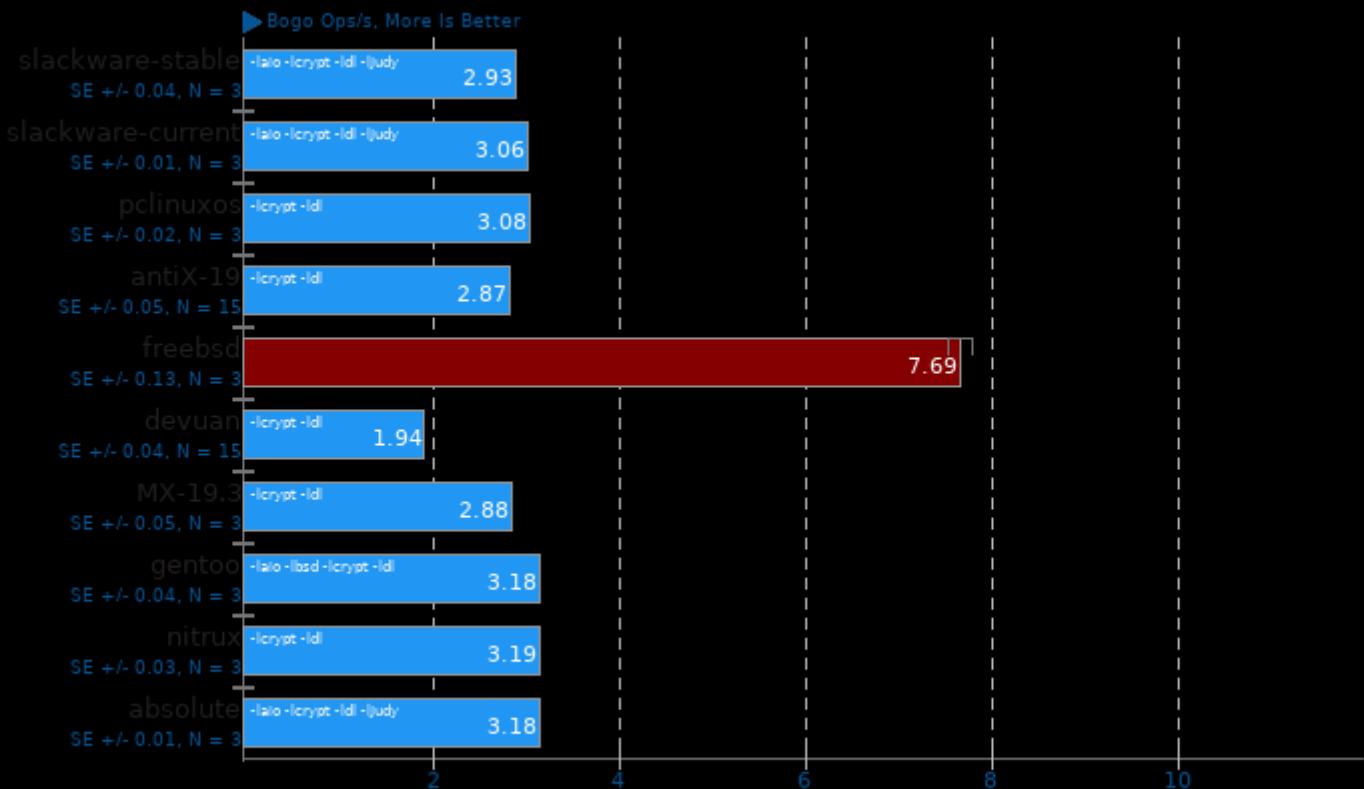
Test: Glibc C String Functions



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

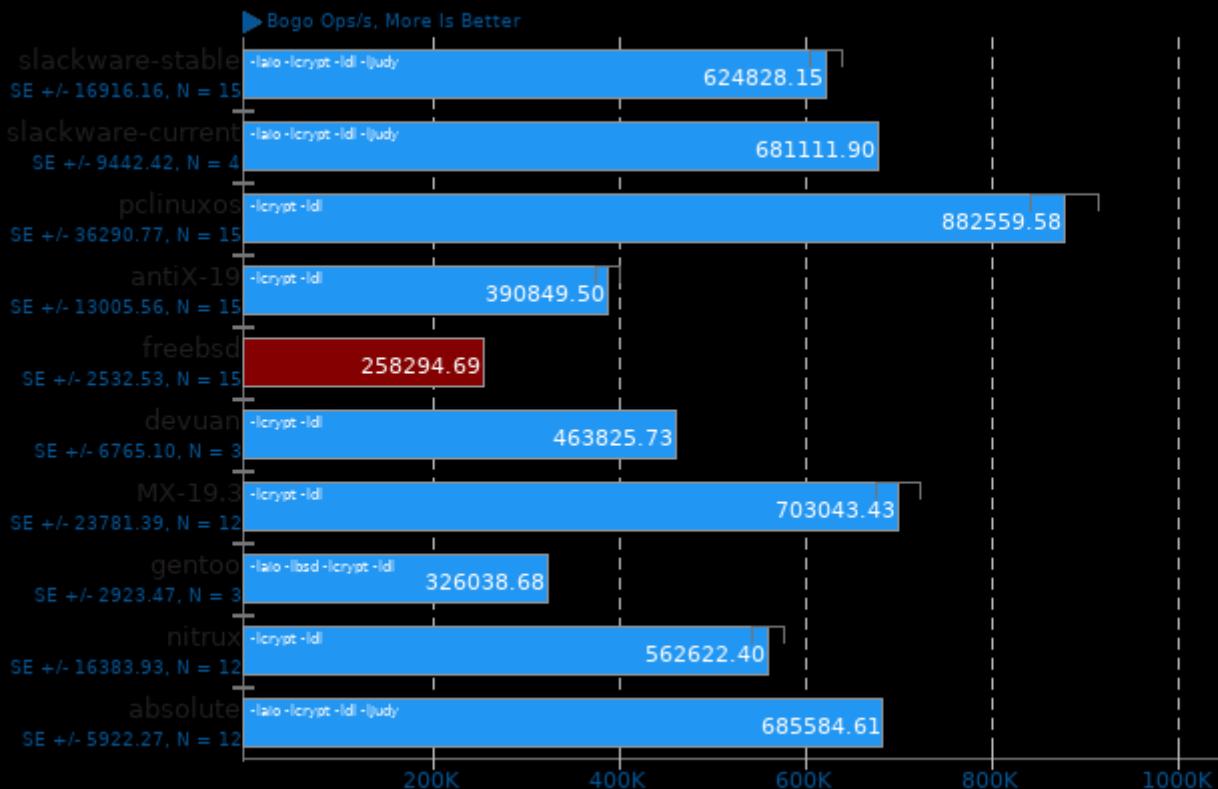
Test: Glibc Qsort Data Sorting



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

Stress-NG 0.11.07

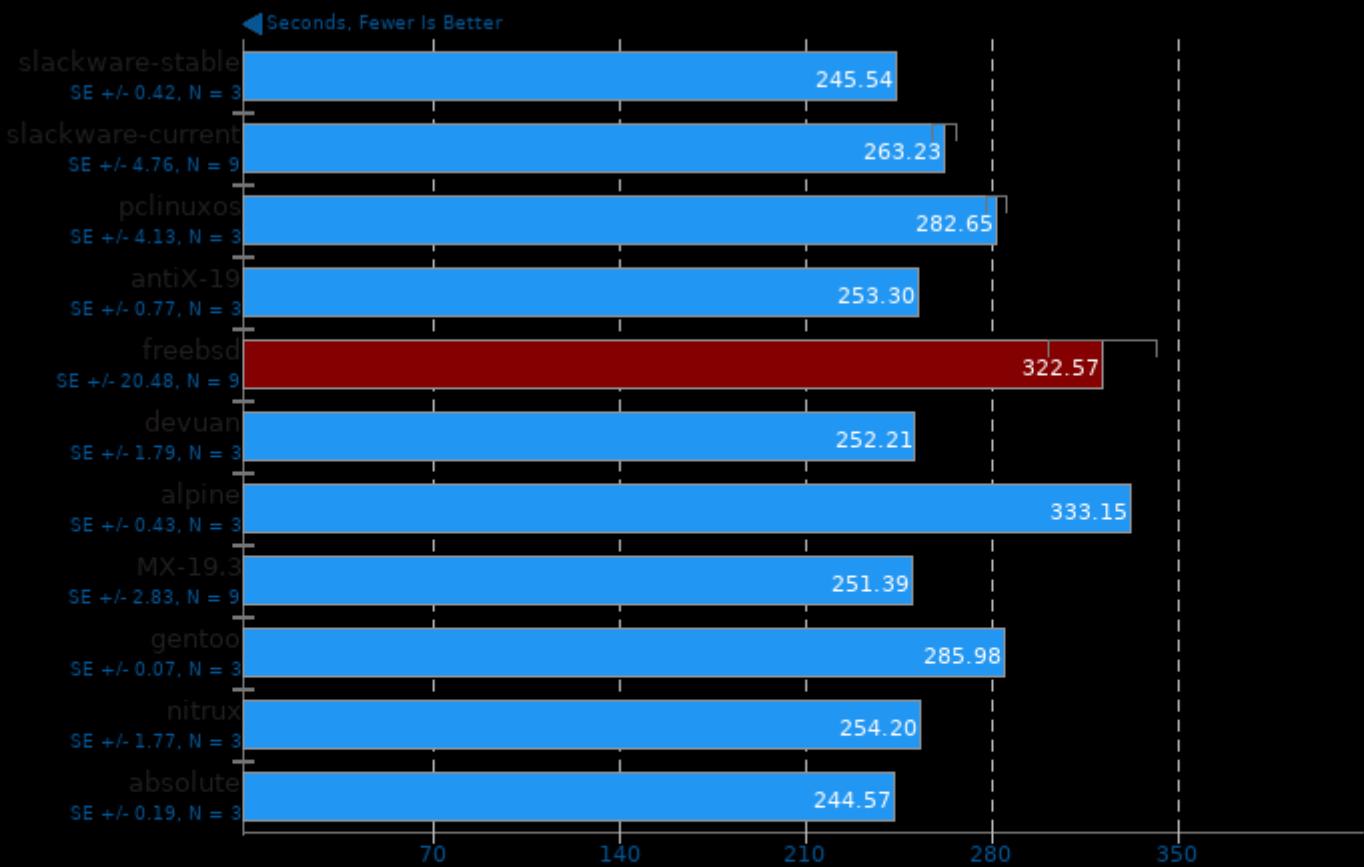
Test: System V Message Passing



1. (CC) gcc options: -O2 -std=gnu99 -lm -lrt -lz -lpthread -lc

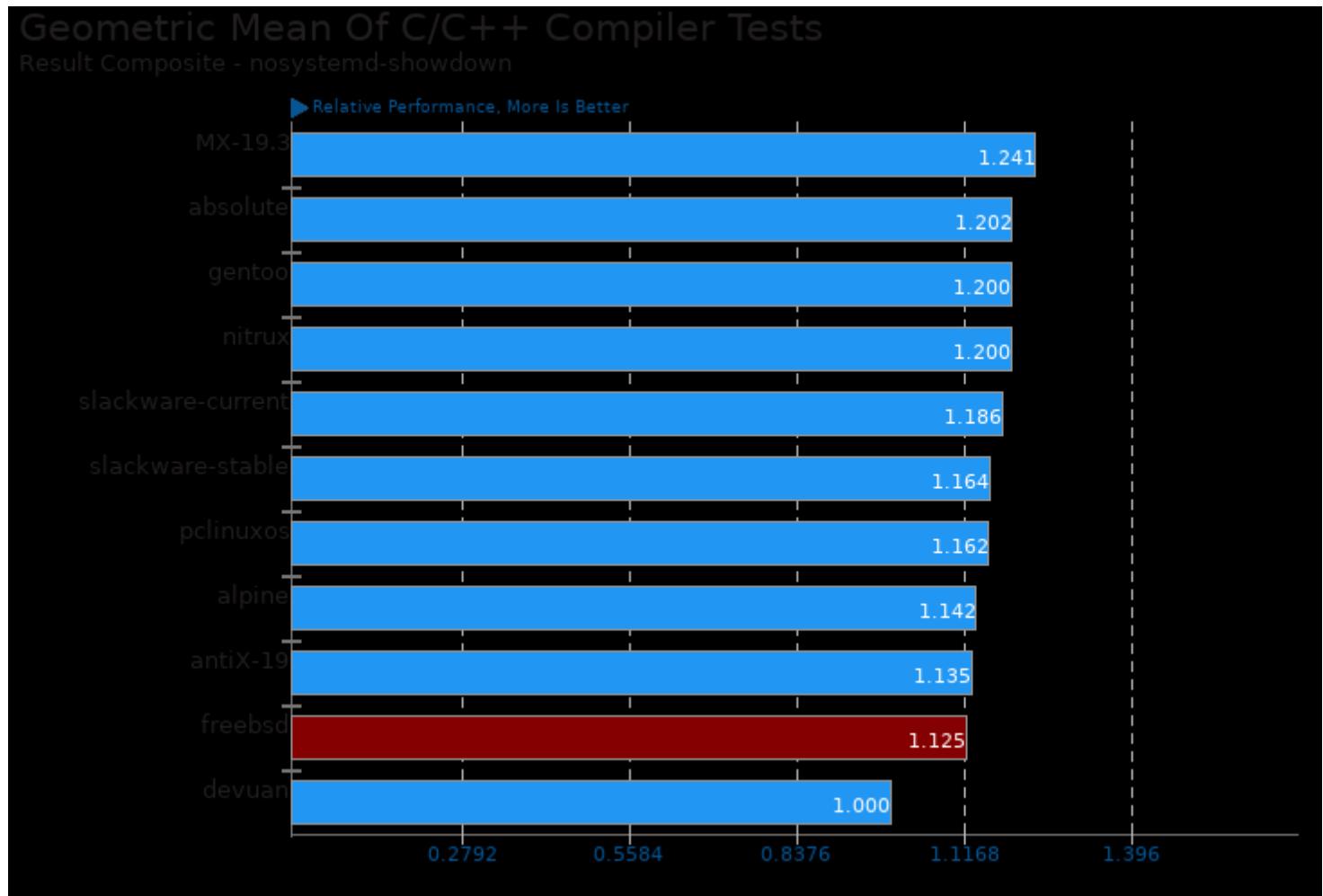
Git

Time To Complete Common Git Commands



1. slackware-stable: git version 2.17.5
2. slackware-current: git version 2.28.0
3. pclinuxos: git version 2.28.0
4. antiX-19: git version 2.20.1
5. freebsd: git version 2.28.0
6. devuan: git version 2.20.1
7. alpine: git version 2.26.2
8. MX-19.3: git version 2.20.1
9. gentoo: git version 2.26.2
10. nitrux: git version 2.29.2
11. absolute: git version 2.29.1

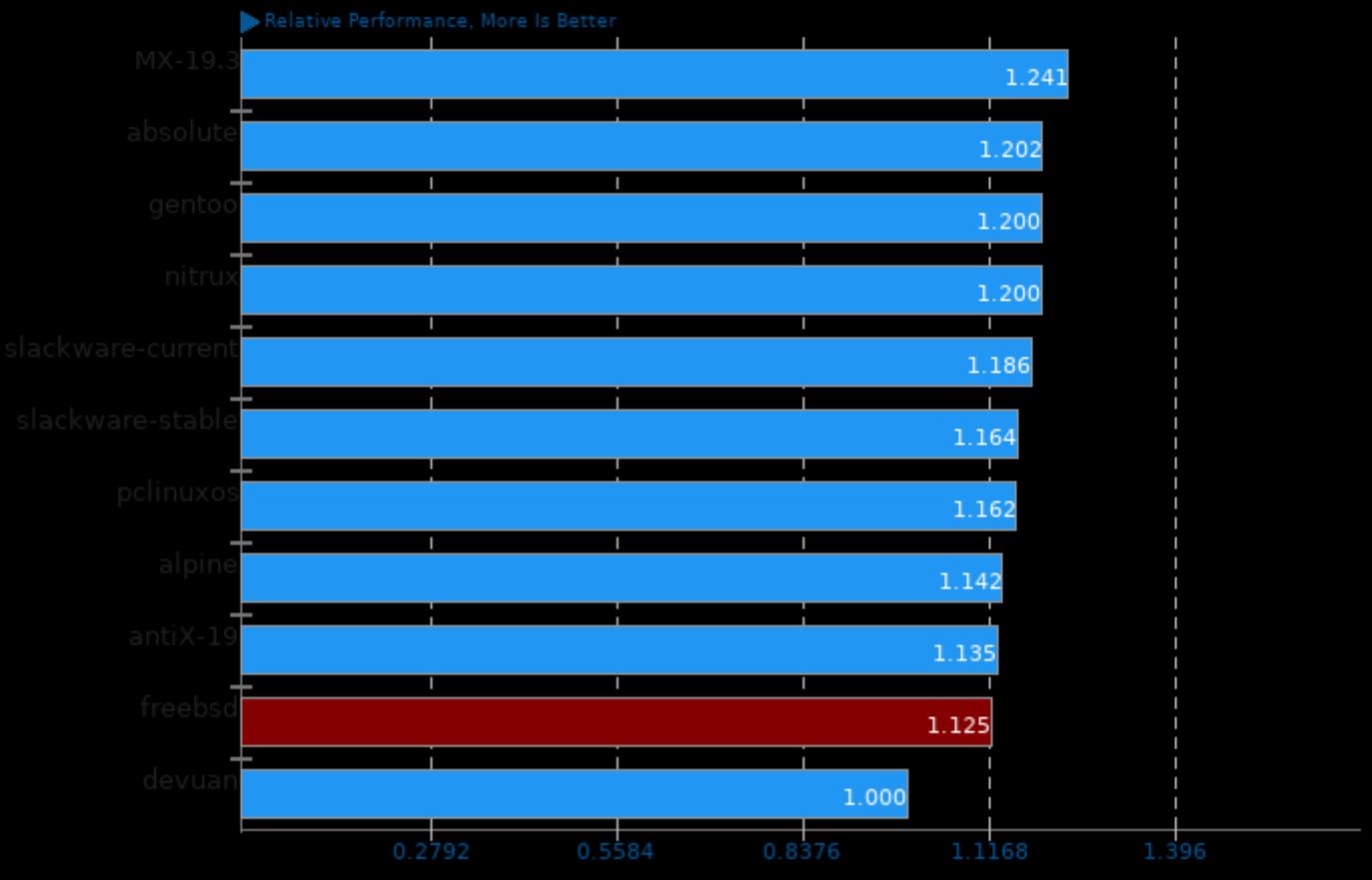
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/graphics-magick, pts/himeno, pts/build-php, pts/compress-7zip, pts/pgbench, pts/john-the-ripper, pts/x264 and pts/build-apache

Geometric Mean Of CPU Massive Tests

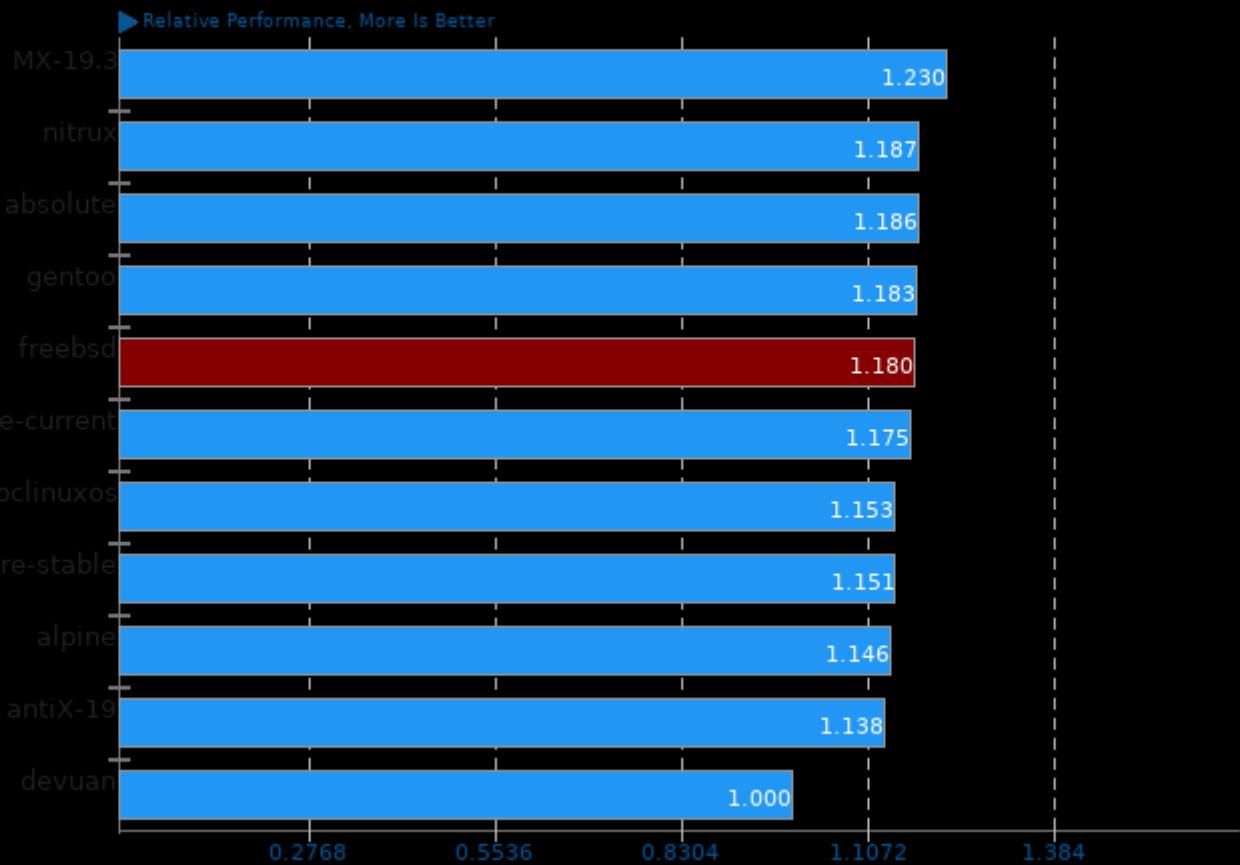
Result Composite - nosystemd-showdown



Geometric mean based upon tests: pts/build-apache, pts/build-linux-kernel, pts/build-php, pts/compress-7zip, pts/x264, pts/graphics-magick, pts/himeno, pts/john-the-ripper, pts/pgbench, pts/ramspeed and pts/stress-ng

Geometric Mean Of Creator Workloads Tests

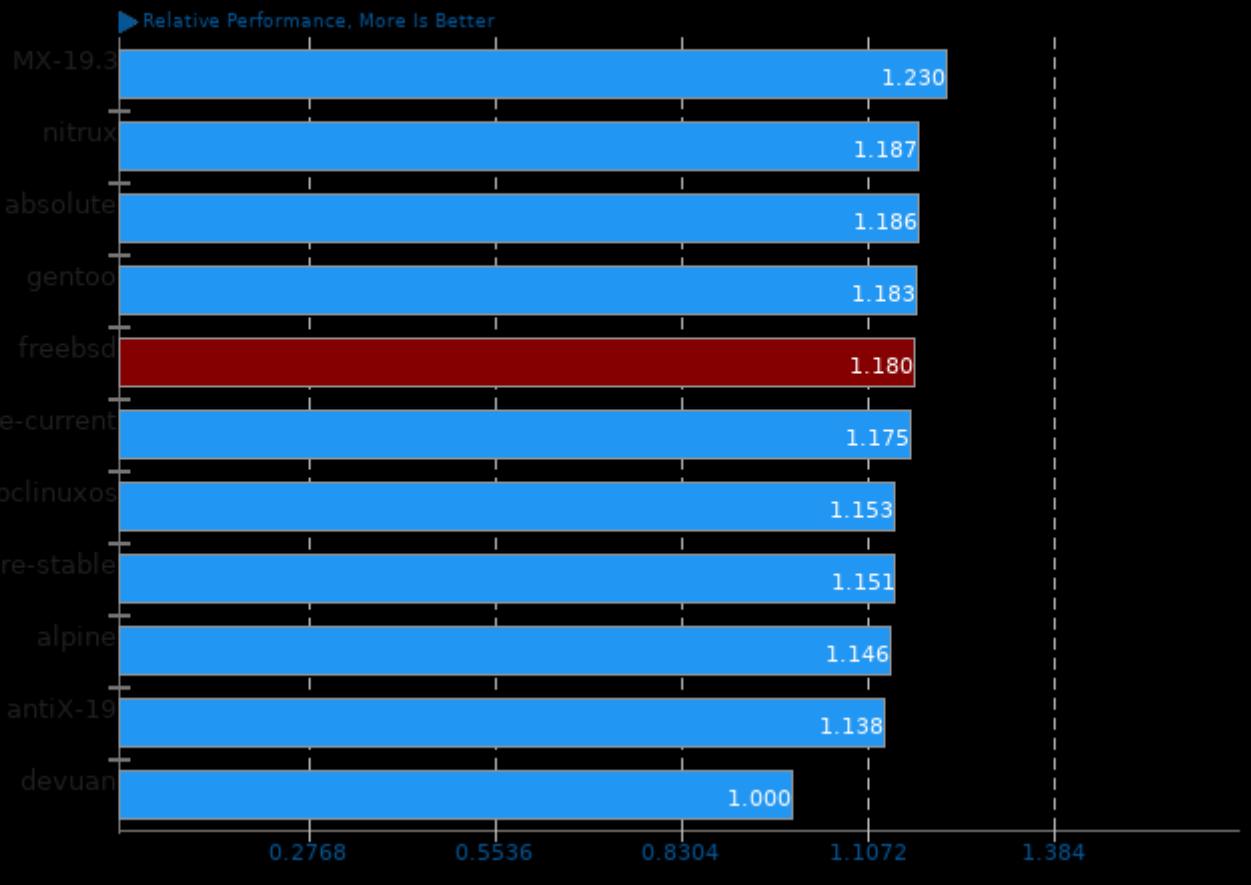
Result Composite - nosystemd-showdown



Geometric mean based upon tests: pts/x264 and pts/graphics-magick

Geometric Mean Of Multi-Core Tests

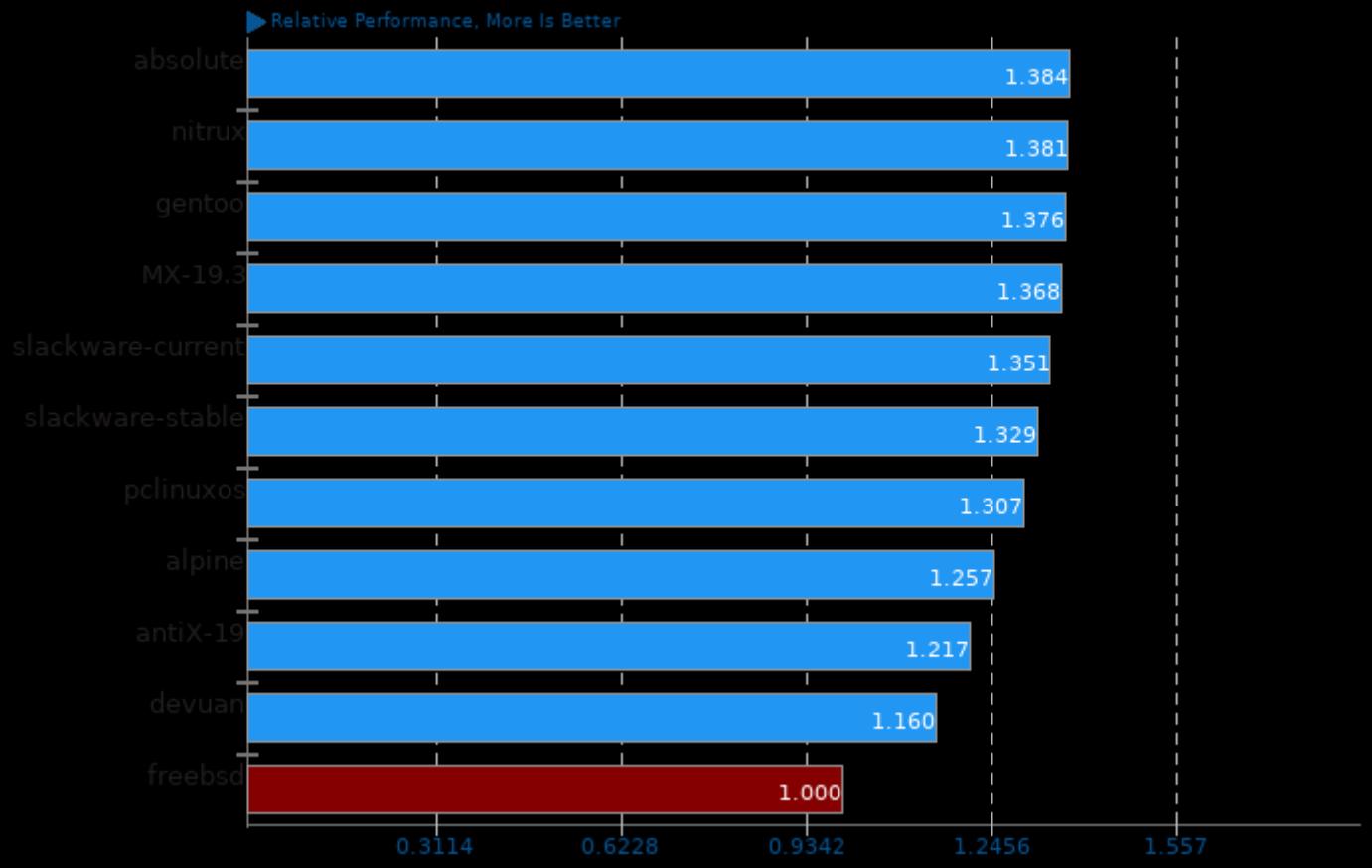
Result Composite - nosystemd-showdown



Geometric mean based upon tests: pts/x264, pts/john-the-ripper, pts/graphics-magick, pts/compress-7zip, pts/build-apache, pts/build-php, pts/build-linux-kernel and pts/pgbench

Geometric Mean Of Server CPU Tests

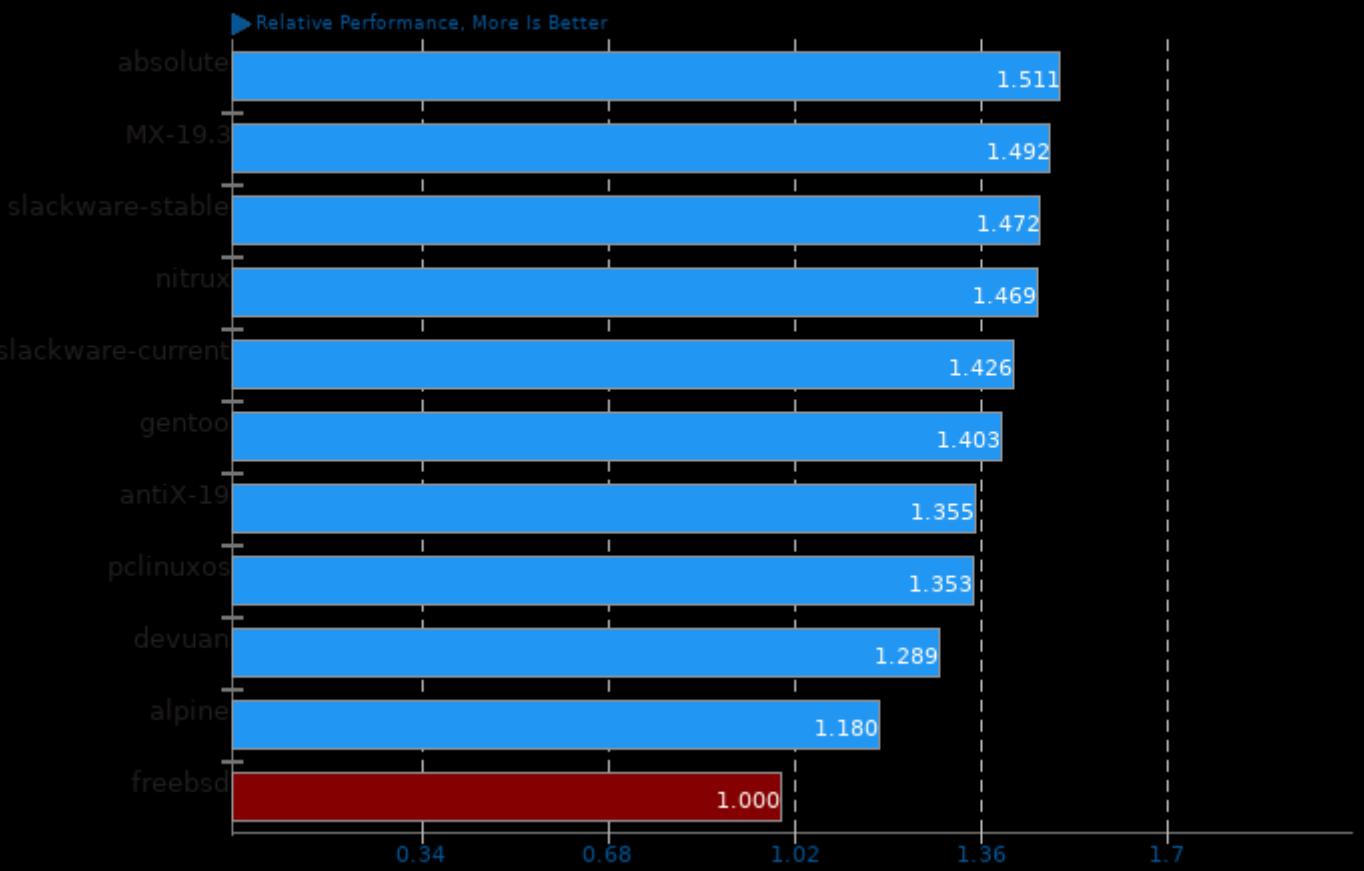
Result Composite - nosystemd-showdown



Geometric mean based upon tests: pts/john-the-ripper, pts/x264, pts/himeno, pts/compress-7zip, pts/build-linux-kernel, pts/build-php, pts/stress-ng and pts/ramspeed

Geometric Mean Of Common Workstation Benchmarks Tests

Result Composite - nosystemd-showdown



Geometric mean based upon tests: pts/himeno and pts/git

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 01:58.