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## stock-debian-kernel-k

KVM testing on Debian 11 via the Phoronix Test Suite.

### Automated Executive Summary

*stock-debian-kernel-k had the most wins, coming in first place for 40% of the tests.*

*Based on the geometric mean of all complete results, the fastest (stock-debian-kernel-k) was 1.283x the speed of the slowest (latest-lowlatency-kernel-v5-12-8-vo). latest-xanmod-cacule-kernel-v5-12-8-x1-vo was 0.906x the speed of stock-debian-kernel-k, latest-xanmod-kernel-v5-12-8-x1-vo was 0.964x the speed of latest-xanmod-cacule-kernel-v5-12-8-x1-vo, latest-generic-kernel-v5-12-8 was 0.999x the speed of latest-xanmod-kernel-v5-12-8-x1-vo, latest-generic-kernel-v5-12-8-vo was 0.99x the speed of latest-generic-kernel-v5-12-8, stable-xanmod-real-time-kernel-v5-10-35-rt39-vo was 0.932x the speed of latest-generic-kernel-v5-12-8-vo, latest-lowlatency-kernel-v5-12-8-vo was 0.968x the speed of stable-xanmod-real-time-kernel-v5-10-35-rt39-vo.*

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

*Stress-NG (Test: NUMA) at 13.189x*

*Stress-NG (Test: Socket Activity) at 6.366x*

*Stress-NG (Test: Forking) at 1.736x*

*Stress-NG (Test: Context Switching) at 1.463x*

Stress-NG (Test: MMAP) at 1.342x  
Stress-NG (Test: CPU Cache) at 1.329x  
Stress-NG (Test: SENDFILE) at 1.326x  
Stress-NG (Test: MEMFD) at 1.321x  
Stress-NG (Test: Glibc C String Functions) at 1.232x  
Stress-NG (Test: Semaphores) at 1.202x.

## Test Systems:

### stock-debian-kernel-k

Processor: AMD EPYC (1 Core / 2 Threads), Motherboard: Hetzner vServer v20171111, Memory: 1 x 8000 MB RAM QEMU, Disk: 82GB QEMU HDD, Graphics: virtiodrmfb

OS: Debian 10, Kernel: 4.19.0-16-amd64 (x86\_64), Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

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++ --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  
Processor Notes: CPU Microcode: 0x1000065  
Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: 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 Full AMD retpoline IBPB: conditional IBRS\_FW STIBP: conditional RSB filling + srbds: Not affected + tsx\_async\_abort: Not affected

### latest-generic-kernel-v5-12-8

### latest-generic-kernel-v5-12-8-vo

Processor: AMD EPYC (1 Core / 2 Threads), Motherboard: Hetzner vServer v20171111, Memory: 1 x 8000 MB RAM QEMU, Disk: 82GB QEMU HDD, Graphics: virtio\_gpudrmfb, Monitor: QEMU Monitor

OS: Debian 11, Kernel: 5.12.8-051208-generic (x86\_64), Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise  
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-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: CPU Microcode: 0x1000065  
Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Vulnerable + spectre\_v1: Vulnerable: \_\_user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre\_v2: Vulnerable IBPB: disabled STIBP: disabled + srbds: Not affected + tsx\_async\_abort: Not affected

### latest-lowlatency-kernel-v5-12-8-vo

Processor: AMD EPYC (1 Core / 2 Threads), Motherboard: Hetzner vServer v20171111, Memory: 1 x 8000 MB RAM

QEMU, Disk: 82GB QEMU HDD, Graphics: virtio\_gpubdrfb, Monitor: QEMU Monitor

OS: Debian 11, Kernel: 5.12.8-051208-lowlatency (x86\_64), Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise  
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: 0x1000065

Security Notes: itlb\_multithit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Vulnerable + spectre\_v1: Vulnerable: \_\_user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre\_v2: Vulnerable IBPB: disabled STIBP: disabled + srbs: Not affected + tsx\_async\_abort: Not affected

## latest-xanmod-kernel-v5-12-8-x1-vo

Processor: AMD EPYC (1 Core / 2 Threads), Motherboard: Hetzner vServer v20171111, Memory: 1 x 8000 MB RAM  
QEMU, Disk: 82GB QEMU HDD, Graphics: virtio\_gpubdrfb, Monitor: QEMU Monitor

OS: Debian 11, Kernel: 5.12.8-xanmod1 (x86\_64), Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise  
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: 0x1000065

Security Notes: itlb\_multithit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Vulnerable + spectre\_v1: Vulnerable: \_\_user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre\_v2: Vulnerable IBPB: disabled STIBP: disabled + srbs: Not affected + tsx\_async\_abort: Not affected

## latest-xanmod-cacule-kernel-v5-12-8-x1-vo

Processor: AMD EPYC (1 Core / 2 Threads), Motherboard: Hetzner vServer v20171111, Memory: 1 x 8000 MB RAM  
QEMU, Disk: 82GB QEMU HDD, Graphics: virtio\_gpubdrfb, Monitor: QEMU Monitor

OS: Debian 11, Kernel: 5.12.8-xanmod1-cacule (x86\_64), Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Kernel Notes: Transparent Huge Pages: madvise  
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: 0x1000065

Security Notes: itlb\_multithit: Not affected + I1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Vulnerable + spectre\_v1: Vulnerable: \_\_user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre\_v2: Vulnerable IBPB: disabled STIBP: disabled + srbs: Not affected + tsx\_async\_abort: Not affected

## stable-xanmod-real-time-kernel-v5-10-35-rt39-vo

Processor: AMD EPYC (1 Core / 2 Threads), Motherboard: Hetzner vServer v20171111, Memory: 1 x 8000 MB RAM  
QEMU, Disk: 82GB QEMU HDD, Graphics: virtio\_gpubdrfb, Monitor: QEMU Monitor

OS: Debian 11, Kernel: 5.10.35-rt39-xanmod1 (x86\_64), Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 1024x768, System Layer: KVM

Compiler Notes: --build=x86\_64-linux-gnu --enable-vtable-verify --enable-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-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: 0x1000065

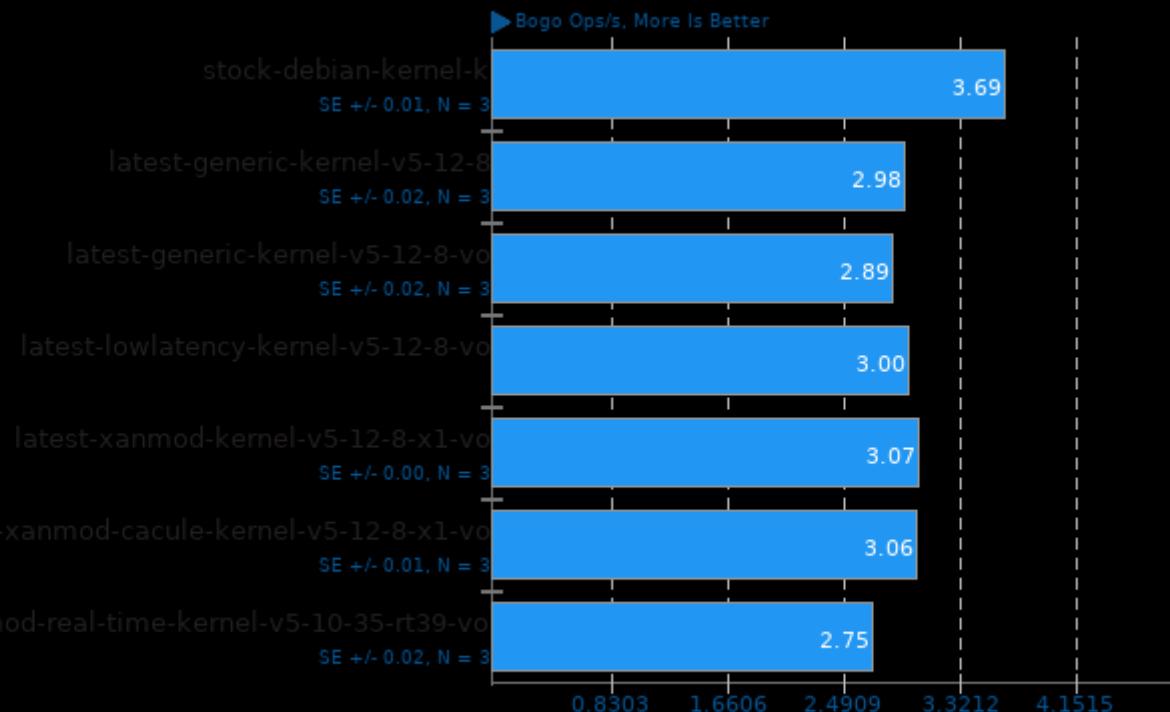
Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec\_store\_bypass: Vulnerable + spectre\_v1: Vulnerable: \_\_user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre\_v2: Vulnerable IBPB: disabled STIBP: disabled + srbds: Not affected + tsx\_async\_abort: Not affected

	<b>stock-debian-kernel-k</b>	<b>latest-generics-kernel-v5-12-8</b>	<b>latest-generics-kernel-v5-12-8-vo</b>	<b>latest-lowlatency-kernel-v5-12-8-vo</b>	<b>latest-xanmod-kernel-v5-12-8-x1-vo</b>	<b>latest-xanmod-kernel-v5-12-8-x1-vo</b>	<b>stable-xanmod-kernel-v5-1-0-35-rt39-vo</b>
<b>Stress-NG - MMAP (Bogo Ops/s)</b>	<b>3.69</b>	2.98	2.89	3	3.07	3.06	<b>2.75</b>
Normalized	100%	80.76%	78.32%	81.3%	83.2%	82.93%	74.53%
Standard Deviation	0.5%	1.4%	1.2%		0%	0.8%	1.5%
<b>Stress-NG - NUMA (Bogo Ops/s)</b>	<b>350.69</b>	32.50	32.96	31.53	<b>26.59</b>	33.47	33.87
Normalized	100%	9.27%	9.4%	8.99%	7.58%	9.54%	9.66%
Standard Deviation	1.6%	0.2%	0.1%	1.1%	0.1%	0.1%	1%
<b>Stress-NG - MEMFD (Bogo Ops/s)</b>	23.46	25.55	23.17	25.76	27.76	<b>27.92</b>	<b>21.13</b>
Normalized	84.03%	91.51%	82.99%	92.26%	99.43%	100%	75.68%
Standard Deviation	1.8%	1.7%	0.4%	2.2%	1.5%	0.2%	0.6%
<b>Stress-NG - Atomic (Bogo Ops/s)</b>	657389	<b>658577</b>	658335	<b>656037</b>	657220	657323	656880
Normalized	99.82%	100%	99.96%	99.61%	99.79%	99.81%	99.74%
Standard Deviation	0%	0%	0%	0%	0.1%	0.1%	0.1%
<b>Stress-NG - Crypto (Bogo Ops/s)</b>	232.89	233.06	<b>233.95</b>	232.81	233.01	<b>232.57</b>	233.61
Normalized	99.55%	99.62%	100%	99.51%	99.6%	99.41%	99.85%
Standard Deviation	0.1%	0.6%	0.1%	0.2%	0.1%	0.2%	0%
<b>Stress-NG - Malloc (Bogo Ops/s)</b>	7315820	7748267	7348449	<b>7786105</b>	7750606	7723868	<b>7189174</b>
Normalized	93.96%	99.51%	94.38%	100%	99.54%	99.2%	92.33%
Standard Deviation	0.7%	0.5%	0.5%	0.6%	1.3%	0.2%	0.9%
<b>Stress-NG - Forking (Bogo Ops/s)</b>	9369	13159	13483	13266	<b>14423</b>	9948	<b>8306</b>
Normalized	64.96%	91.24%	93.48%	91.98%	100%	68.98%	57.59%
Standard Deviation	0.8%	0.9%	0.5%	0.8%	1%	1.9%	0.9%
<b>Stress-NG - SENDFILE (Bogo Ops/s)</b>	20517	<b>19816</b>	24162	25176	26244	<b>26274</b>	22047
Normalized	78.09%	75.42%	91.96%	95.82%	99.88%	100%	83.91%
Standard Deviation	0.7%	0.8%	0.8%	0.1%	0.6%	0.8%	0.5%

<b>Stress-NG - CPU Cache (Bogo Ops/s)</b>	<b>10.86</b>	10.62	8.74	10.33	10.67	10.63	<b>8.17</b>
Normalized	100%	97.79%	80.48%	95.12%	98.25%	97.88%	75.23%
Standard Deviation	3.9%	0.5%	1.1%	1.3%	1.3%	0.6%	1.7%
<b>Stress-NG - CPU Stress (Bogo Ops/s)</b>	<b>468.23</b>	496.07	503.65	499.92	<b>528.02</b>	502.94	472.39
Normalized	88.68%	93.95%	95.38%	94.68%	100%	95.25%	89.46%
Standard Deviation	0.1%	1.6%	0.7%	2%	2.7%	3.6%	0.1%
<b>Stress-NG - Semaphores (Bogo Ops/s)</b>	<b>156255</b>	<b>129989</b>	131118	130487	133059	132033	151459
Normalized	100%	83.19%	83.91%	83.51%	85.15%	84.5%	96.93%
Standard Deviation	0%	0%	0.1%	0%	0%	0.1%	0.3%
<b>Stress-NG - Matrix Math (Bogo Ops/s)</b>	<b>4276</b>	4195	4193	<b>4188</b>	4192	4236	4190
Normalized	100%	98.09%	98.05%	97.94%	98.03%	99.06%	97.97%
Standard Deviation	0.1%	0.2%	0.2%	0.4%	0.1%	0.2%	0.2%
<b>Stress-NG - Vector Math (Bogo Ops/s)</b>	<b>8201</b>	8084	8069	<b>8046</b>	8068	8067	8071
Normalized	100%	98.58%	98.39%	98.11%	98.38%	98.37%	98.42%
Standard Deviation	0%	0%	0.3%	0%	0%	0%	0%
<b>Stress-NG - Memory Copying (Bogo Ops/s)</b>	<b>3343</b>	3217	3117	3254	3214	3215	<b>3092</b>
Normalized	100%	96.24%	93.24%	97.33%	96.12%	96.16%	92.48%
Standard Deviation	0.1%	0.1%	0.3%	2.4%	0.1%	0.2%	0.2%
<b>Stress-NG - Socket Activity (Bogo Ops/s)</b>	<b>2531</b>	1009	1015	<b>397.62</b>	1668	1251	1269
Normalized	100%	39.85%	40.11%	15.71%	65.91%	49.44%	50.14%
Standard Deviation	5.5%	1.4%	0.3%	0.6%	0.5%	16.4%	17.1%
<b>Stress-NG - Context Switching (Bogo Ops/s)</b>	567673	466286	489192	466674	<b>573801</b>	503671	<b>392211</b>
Normalized	98.93%	81.26%	85.25%	81.33%	100%	87.78%	68.35%
Standard Deviation	2%	0.2%	0.5%	0.6%	0.9%	1.1%	1%
<b>Stress-NG - G.C.S.F (Bogo Ops/s)</b>	<b>105776</b>	129438	129592	128338	<b>130303</b>	129173	128021
Normalized	81.18%	99.34%	99.45%	98.49%	100%	99.13%	98.25%
Standard Deviation	0.9%	1.8%	0.4%	1.5%	0.9%	1.9%	1.9%
<b>Stress-NG - G.Q.D.S (Bogo Ops/s)</b>	<b>11.90</b>	12.23	12.25	12.18	<b>12.38</b>	12.12	12.26
Normalized	96.12%	98.79%	98.95%	98.38%	100%	97.9%	99.03%
Standard Deviation	1%	0.7%	1.6%	0.1%	1.7%	1.2%	0.8%
<b>Stress-NG - S.V.M.P (Bogo Ops/s)</b>	1260945	2116812	1939840	<b>454105</b>	716645	<b>2844296</b>	891168
Normalized	44.33%	74.42%	68.2%	15.97%	25.2%	100%	31.33%
Standard Deviation	32.1%	1.3%	35.3%	0.9%	6.5%	0.2%	14.8%
<b>ctx_clock - C.S.T (Clocks)</b>	222	220	<b>227</b>	220	220	220	<b>206</b>
Normalized	92.79%	93.64%	90.75%	93.64%	93.64%	93.64%	100%
Standard Deviation	11.4%		5%				9.9%

## Stress-NG 0.11.07

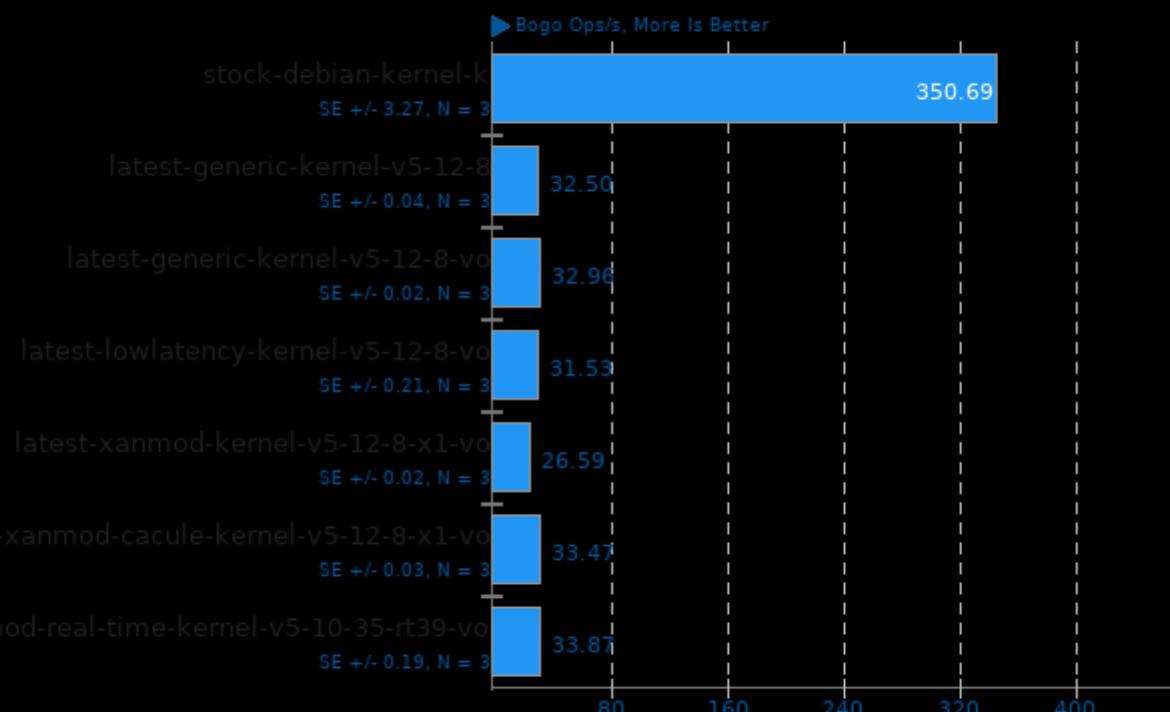
Test: MMAP



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

## Stress-NG 0.11.07

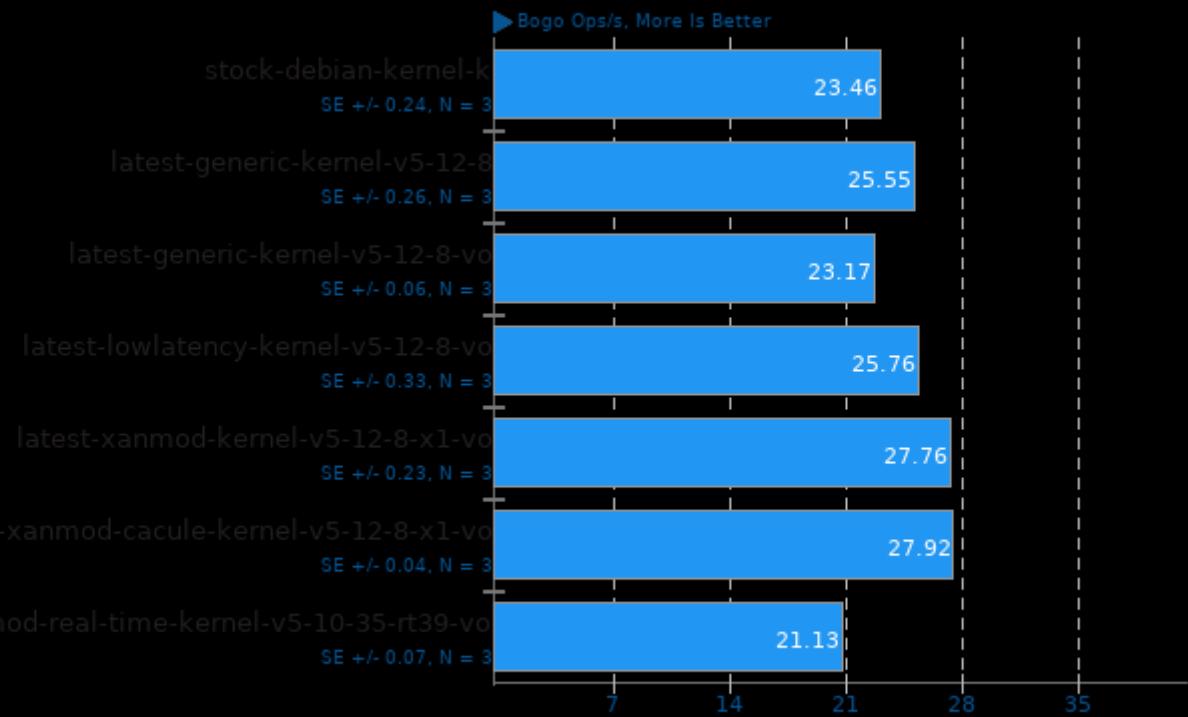
Test: NUMA



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

## Stress-NG 0.11.07

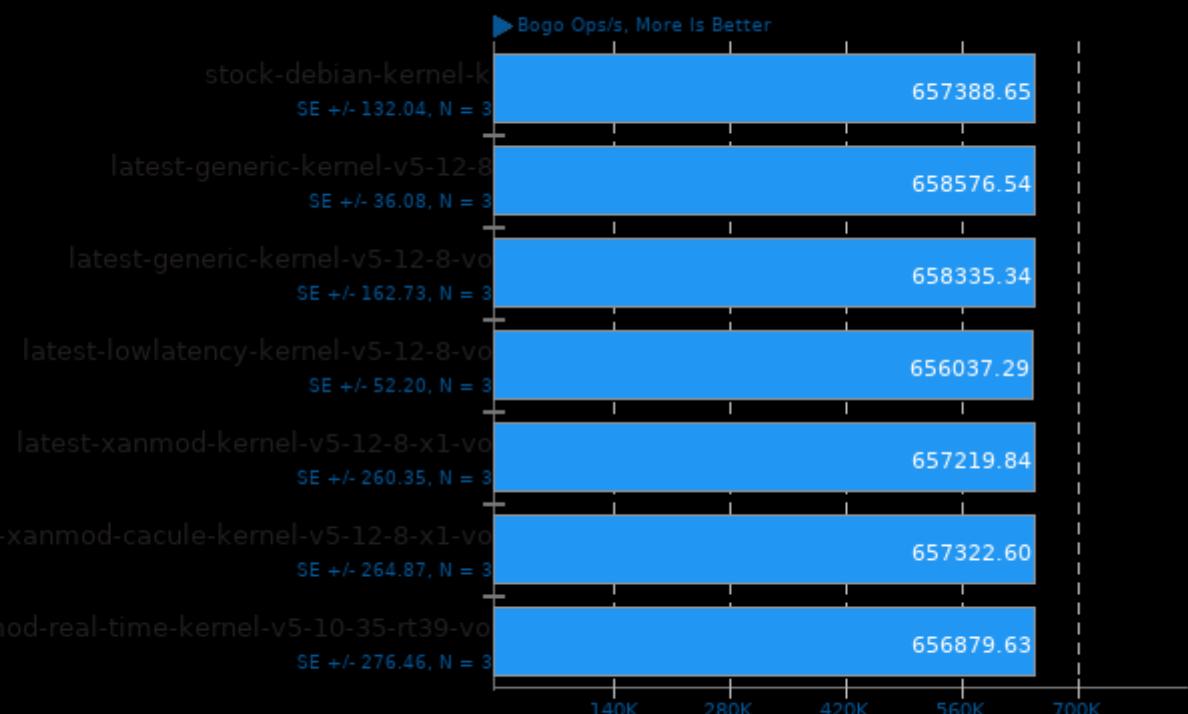
Test: MEMFD



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

## Stress-NG 0.11.07

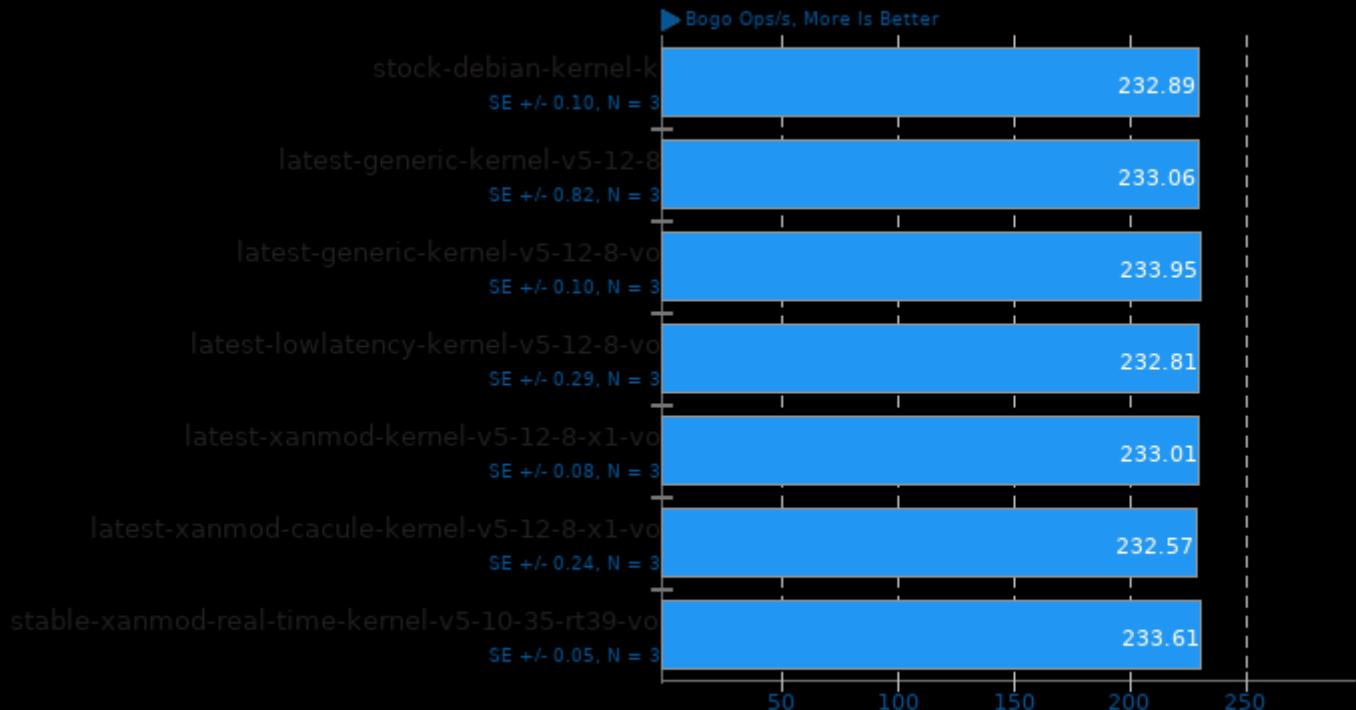
Test: Atomic



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

## Stress-NG 0.11.07

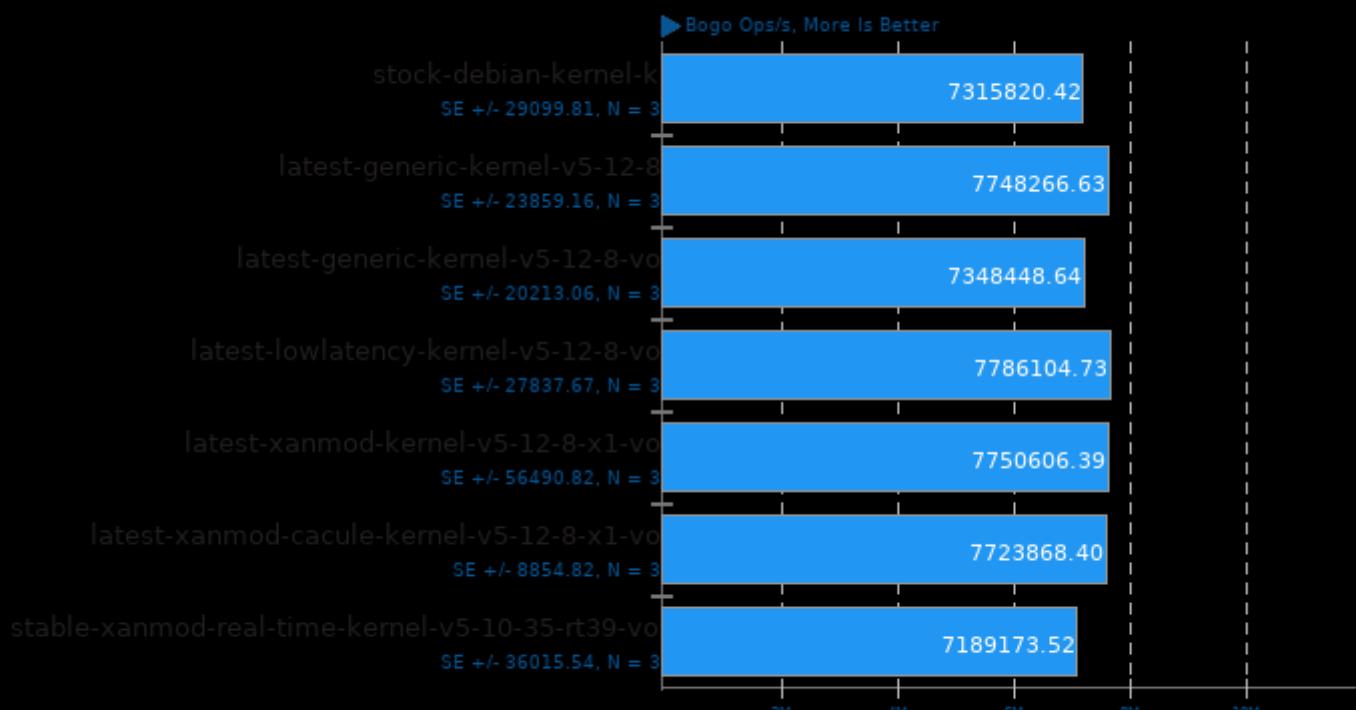
Test: Crypto



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

## Stress-NG 0.11.07

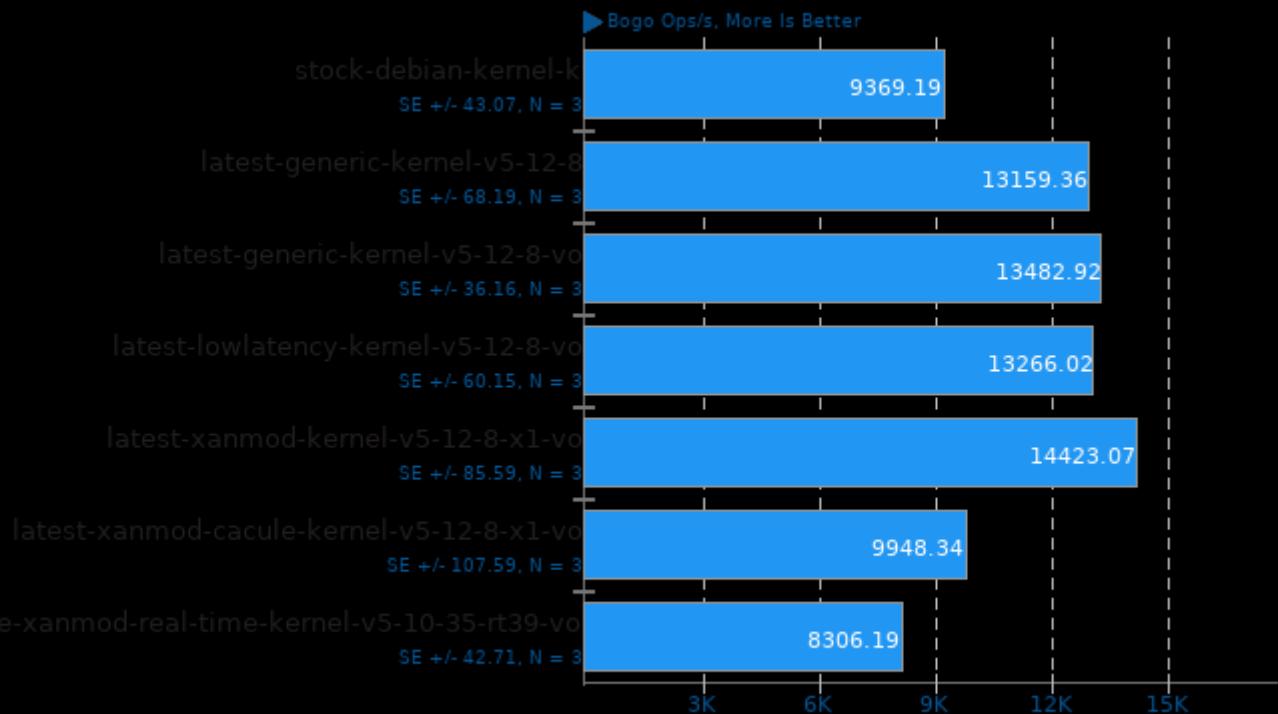
Test: Malloc



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

## Stress-NG 0.11.07

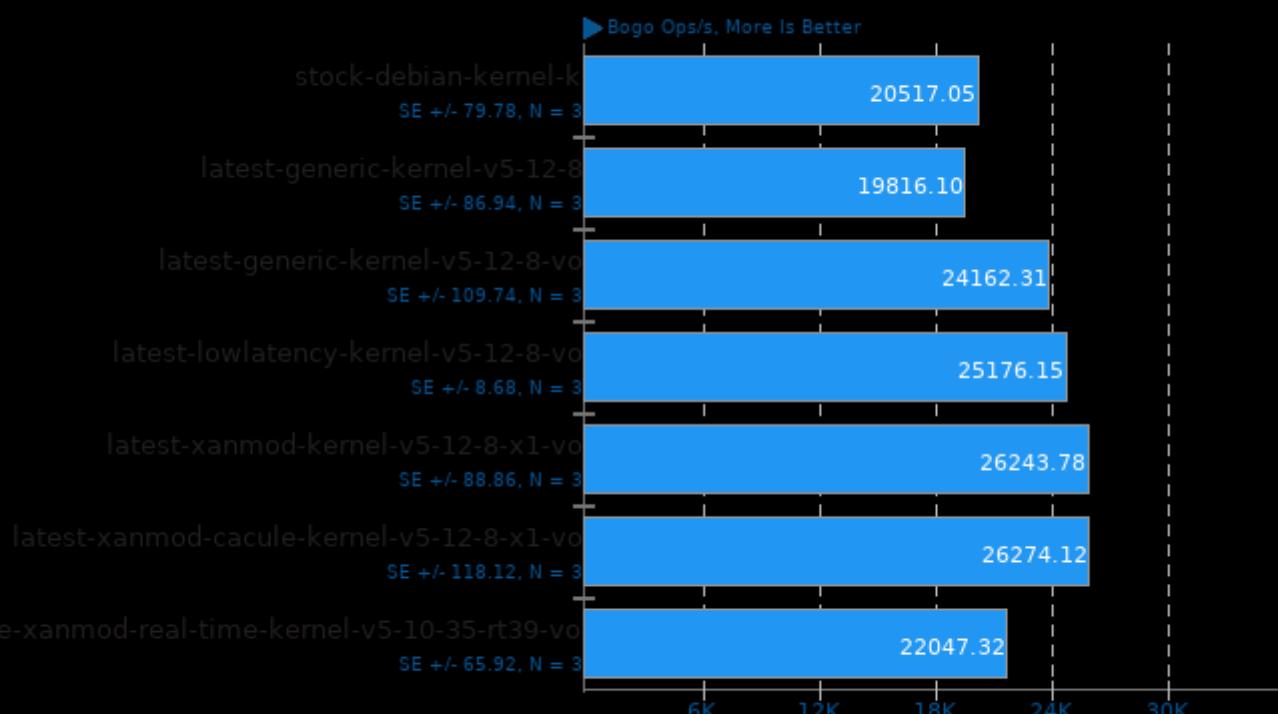
Test: Forking



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

## Stress-NG 0.11.07

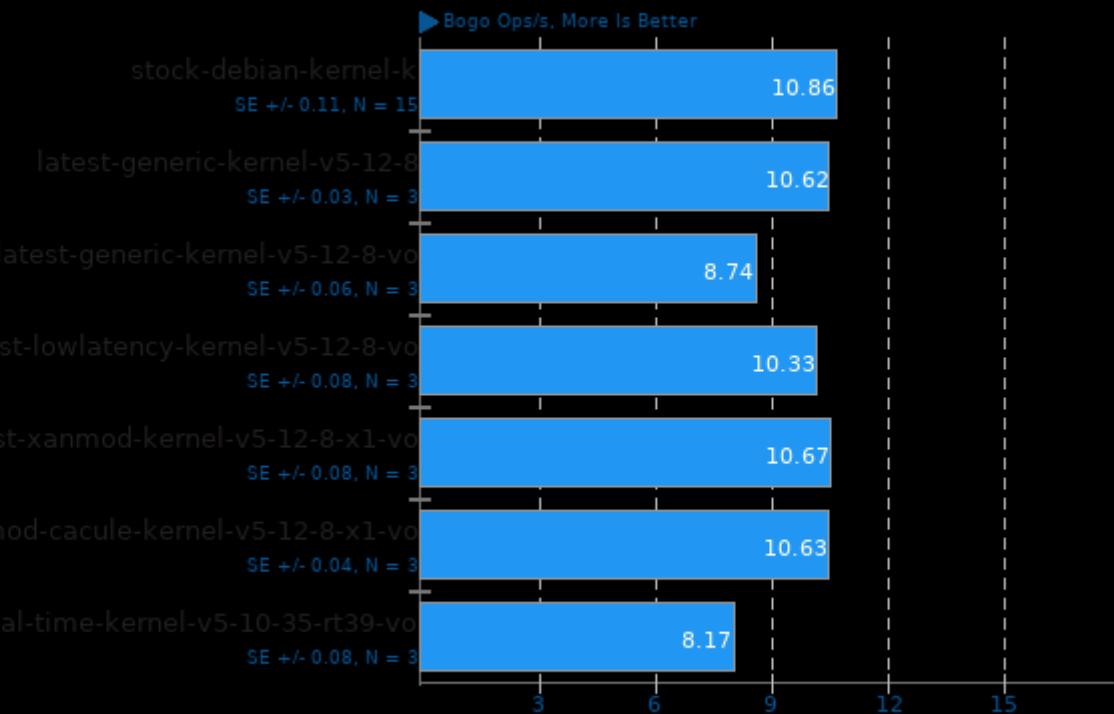
Test: SENDFILE



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

## Stress-NG 0.11.07

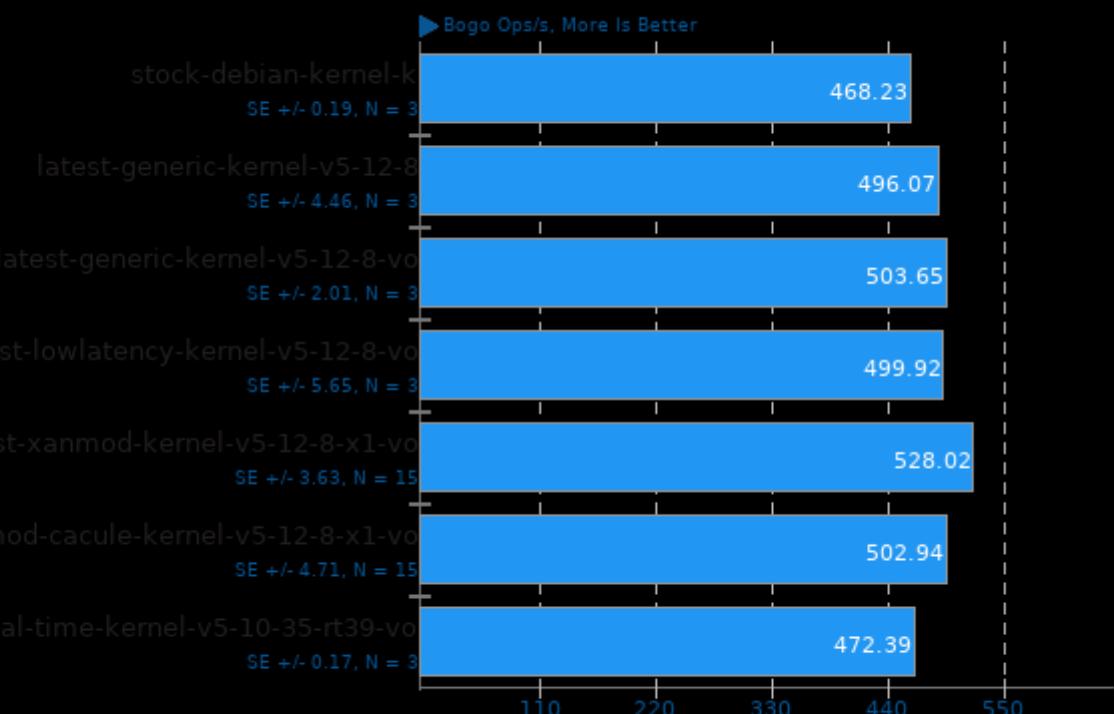
Test: CPU Cache



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

## Stress-NG 0.11.07

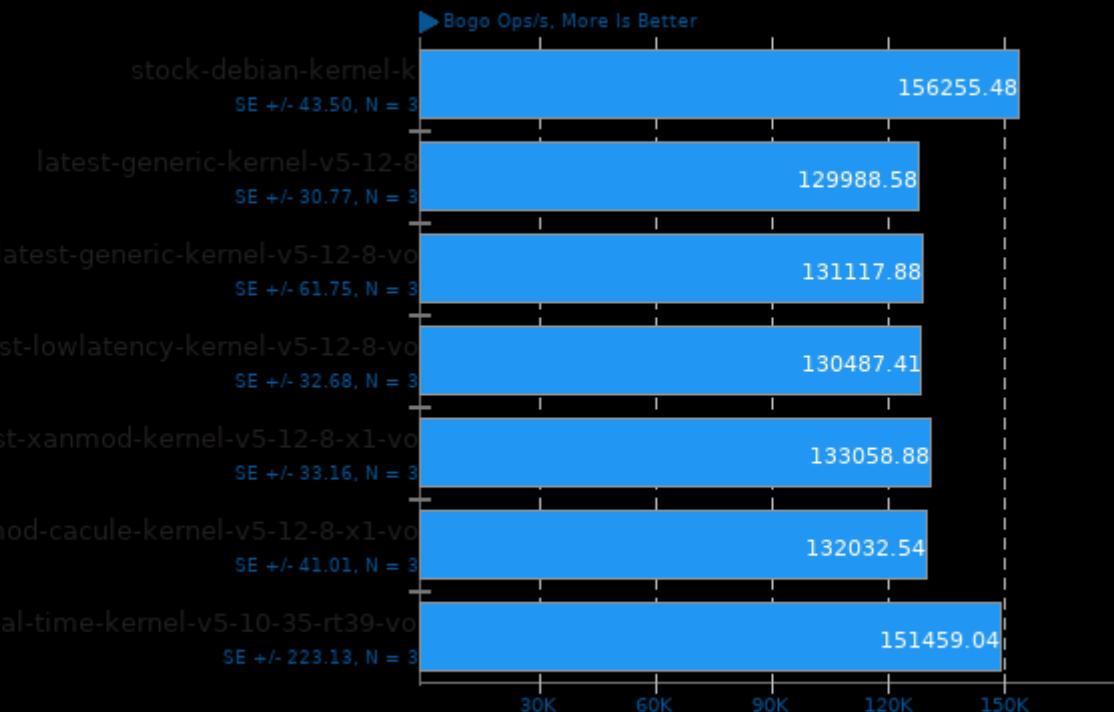
Test: CPU Stress



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

## Stress-NG 0.11.07

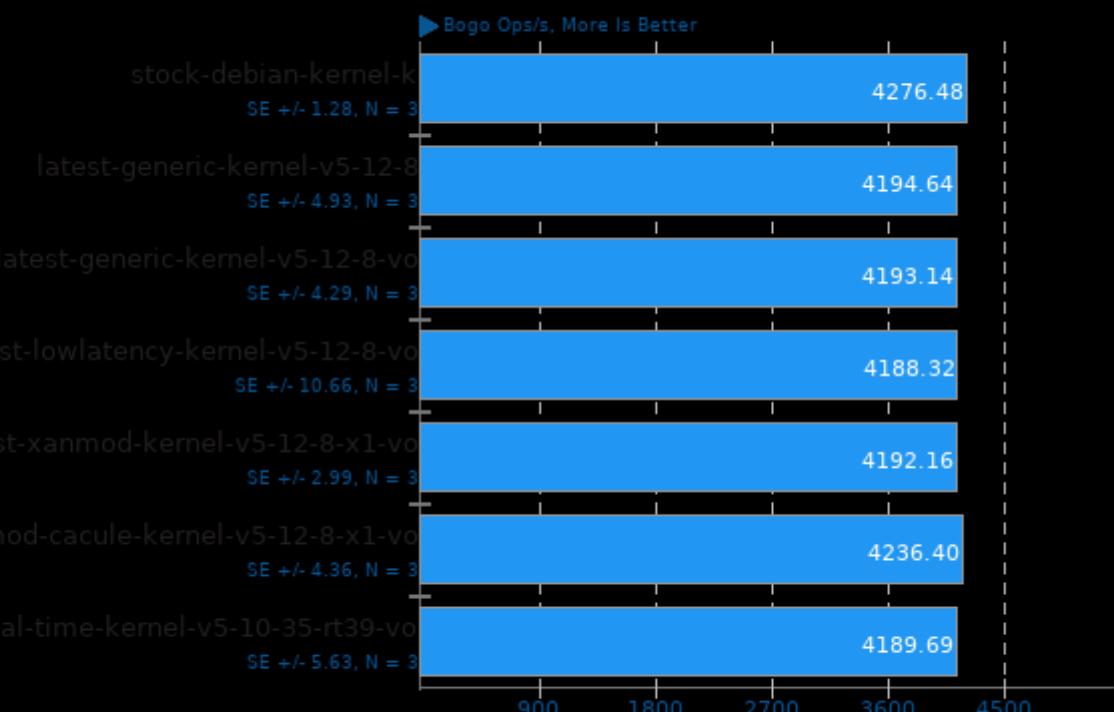
Test: Semaphores



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

## Stress-NG 0.11.07

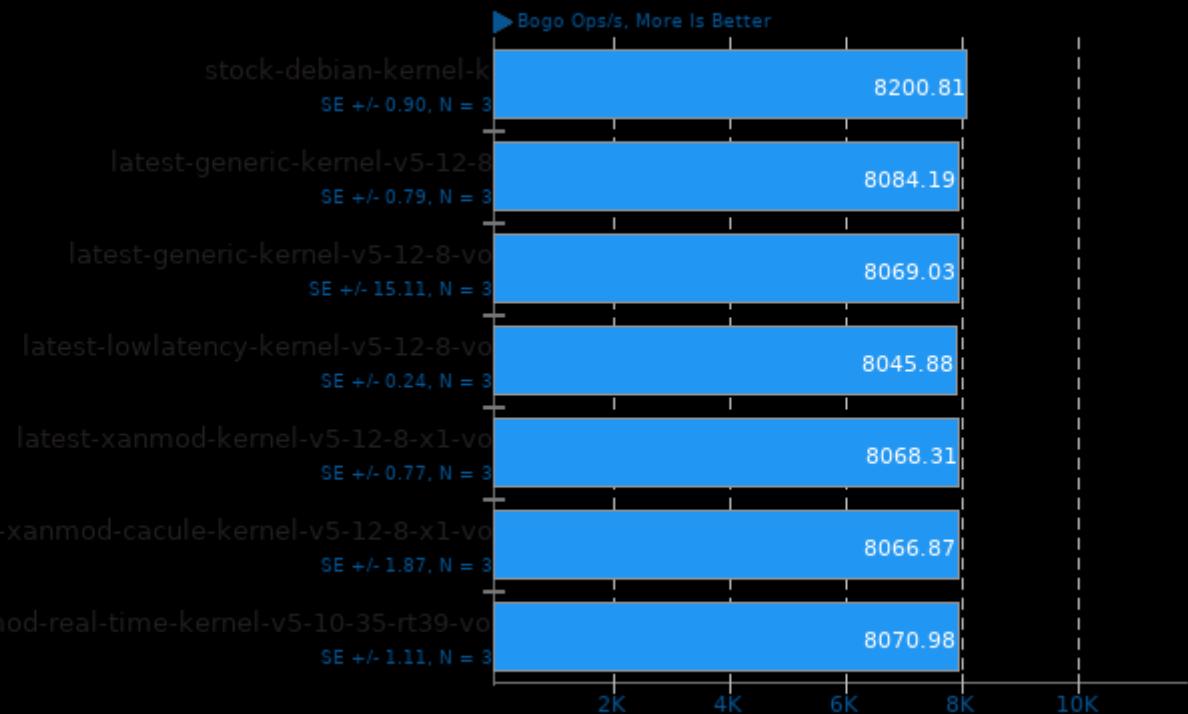
Test: Matrix Math



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

## Stress-NG 0.11.07

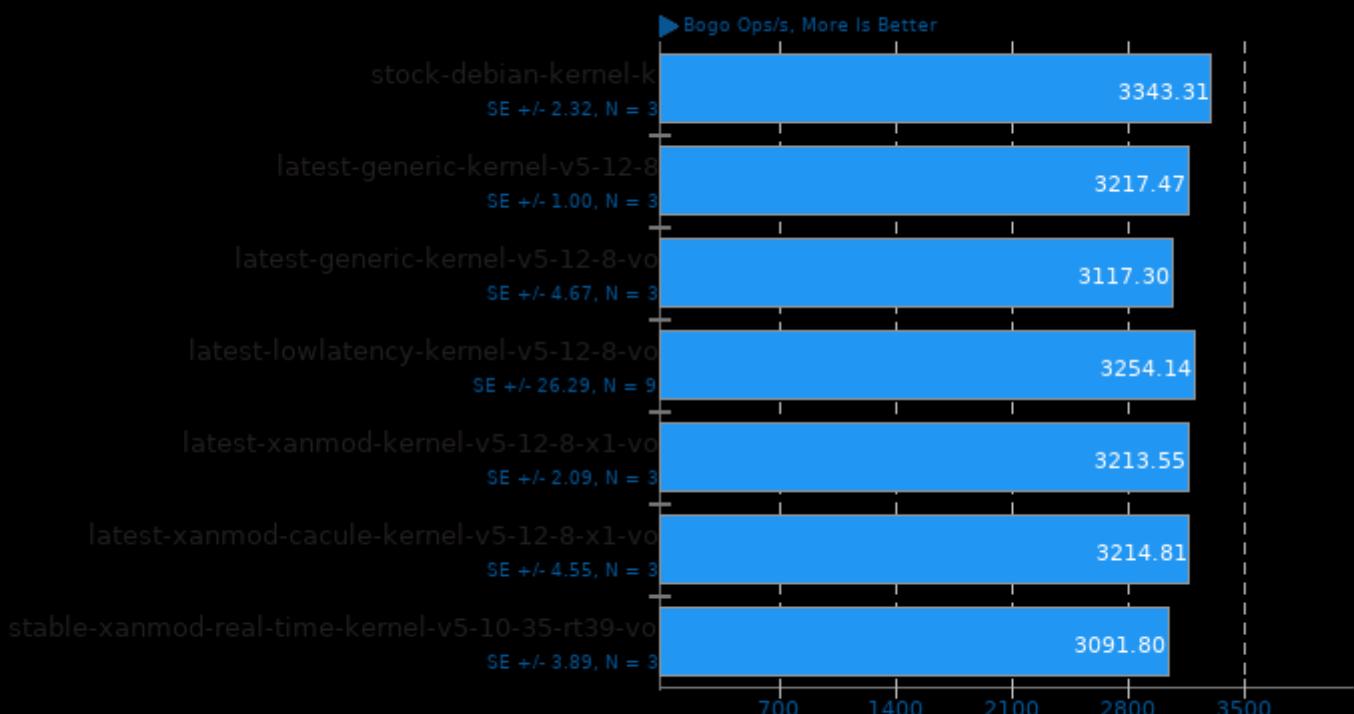
Test: Vector Math



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

## Stress-NG 0.11.07

Test: Memory Copying

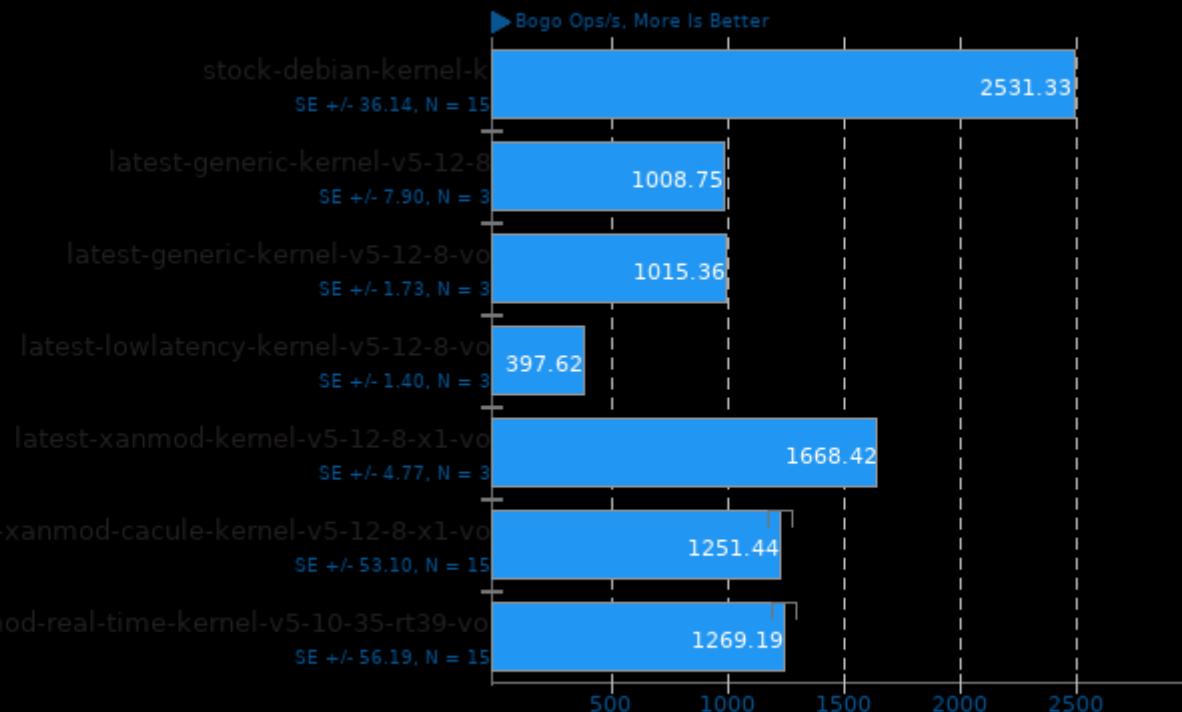


1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lz -ldl -lpthread -lc

## stock-debian-kernel-k

### Stress-NG 0.11.07

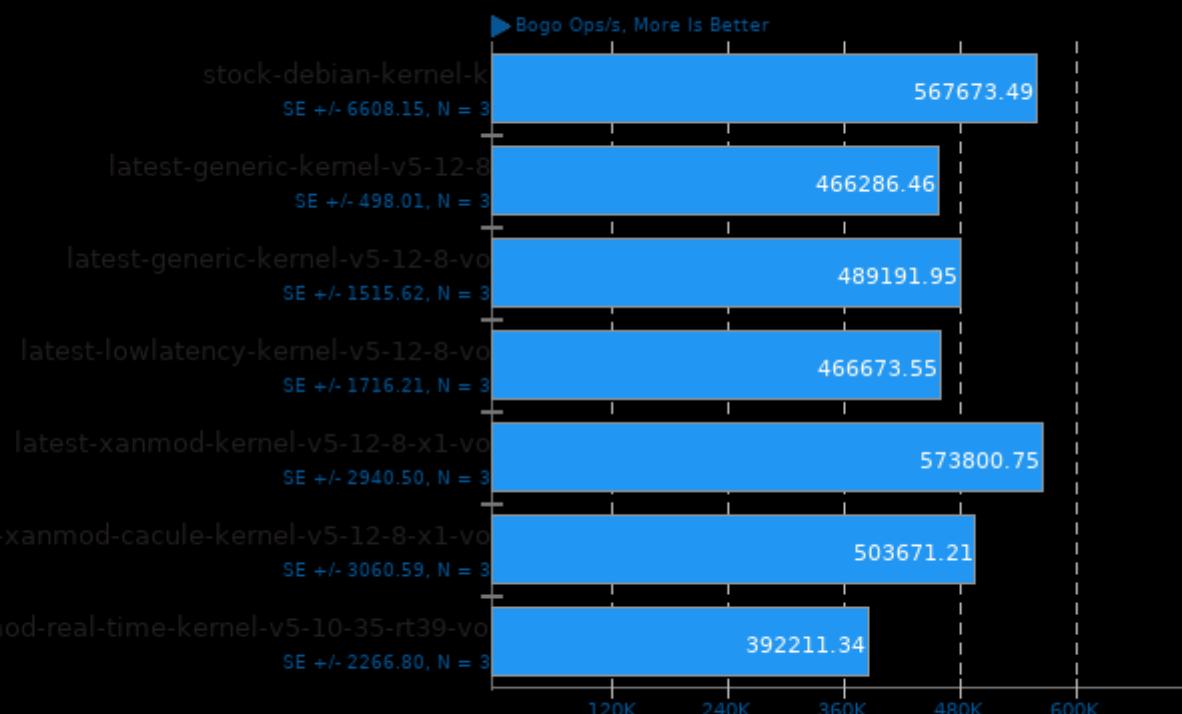
Test: Socket Activity



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

### Stress-NG 0.11.07

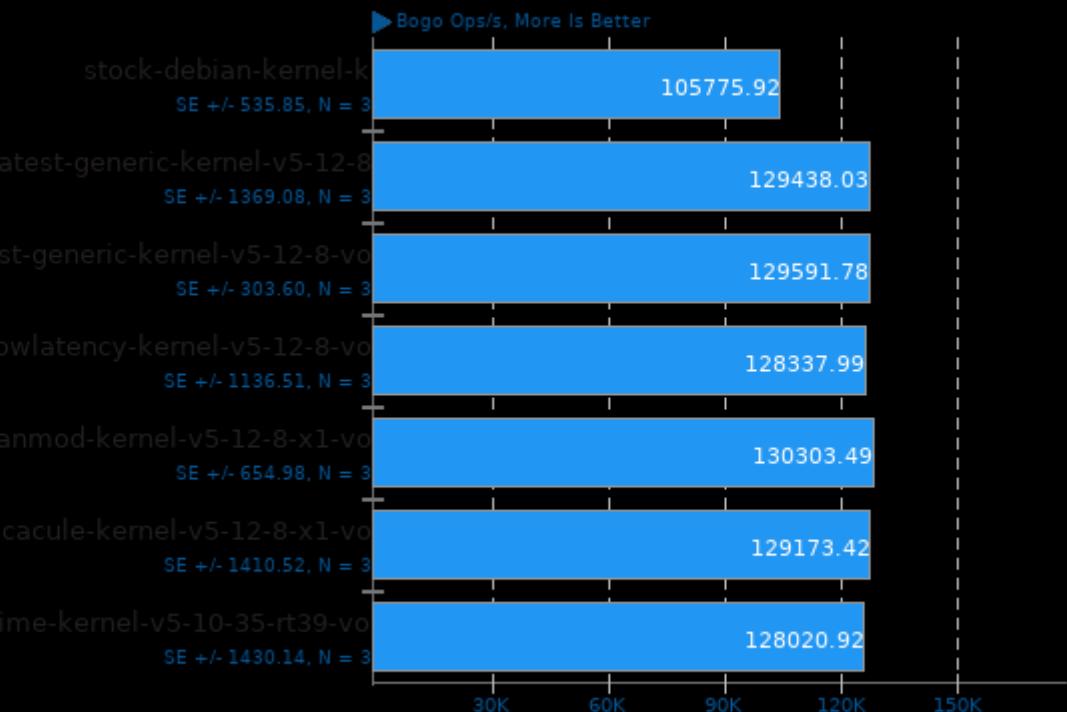
Test: Context Switching



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

## Stress-NG 0.11.07

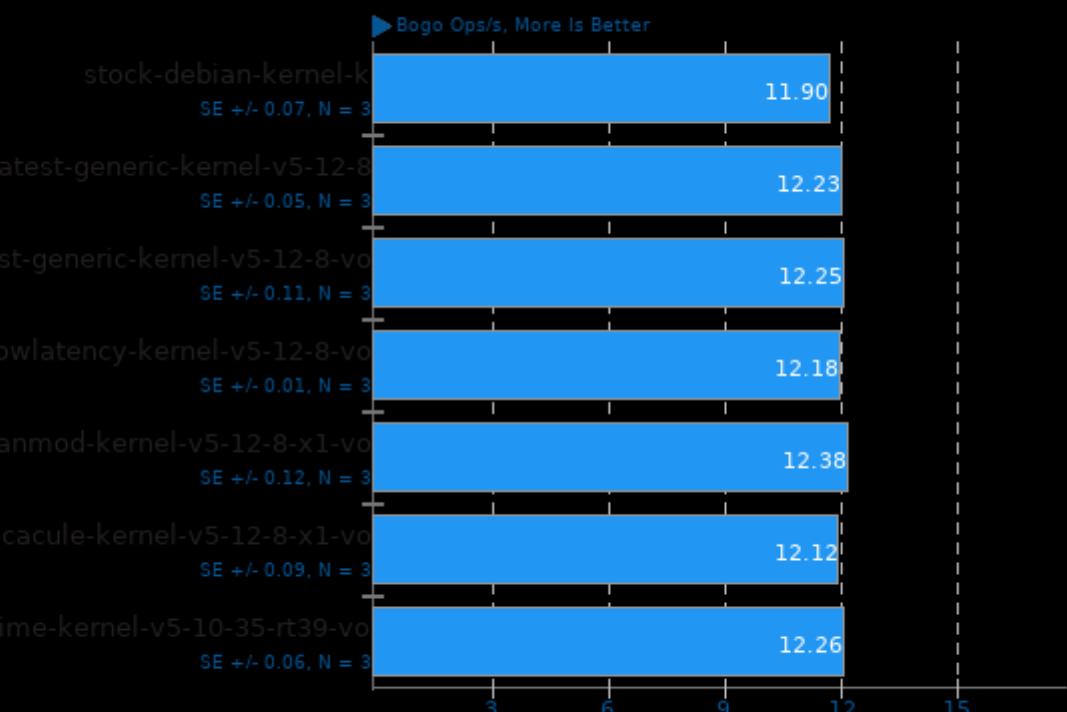
Test: Glibc C String Functions



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

## Stress-NG 0.11.07

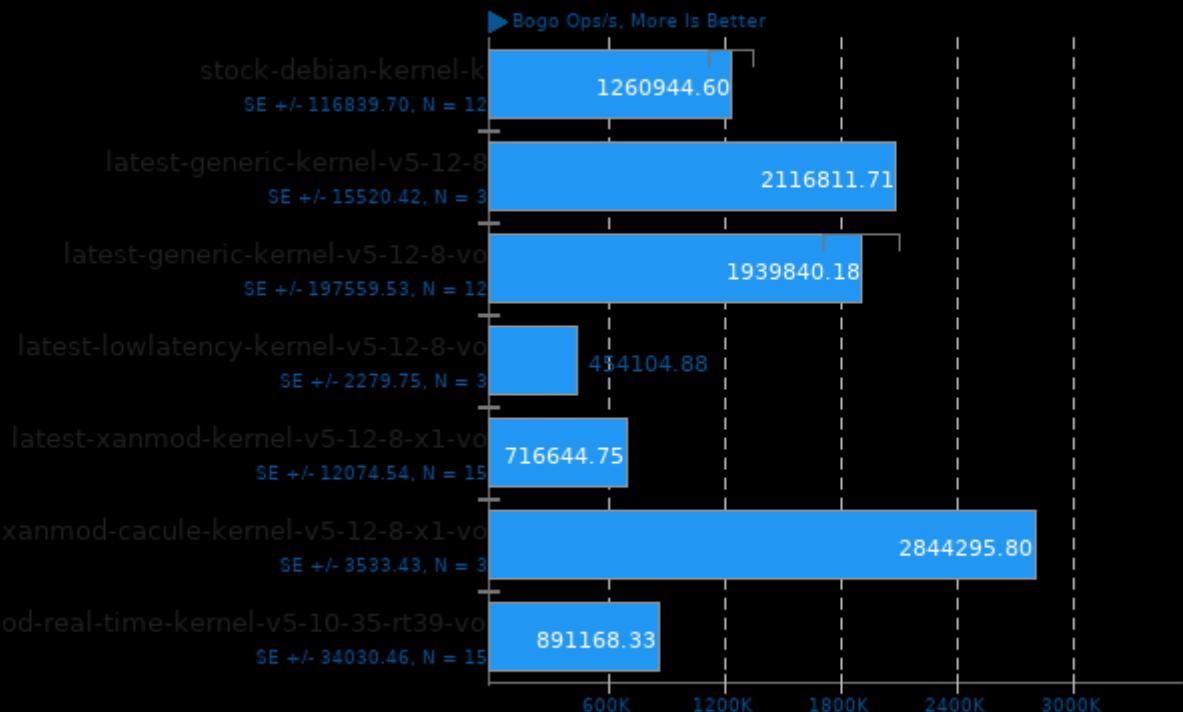
Test: Glibc Qsort Data Sorting



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

## Stress-NG 0.11.07

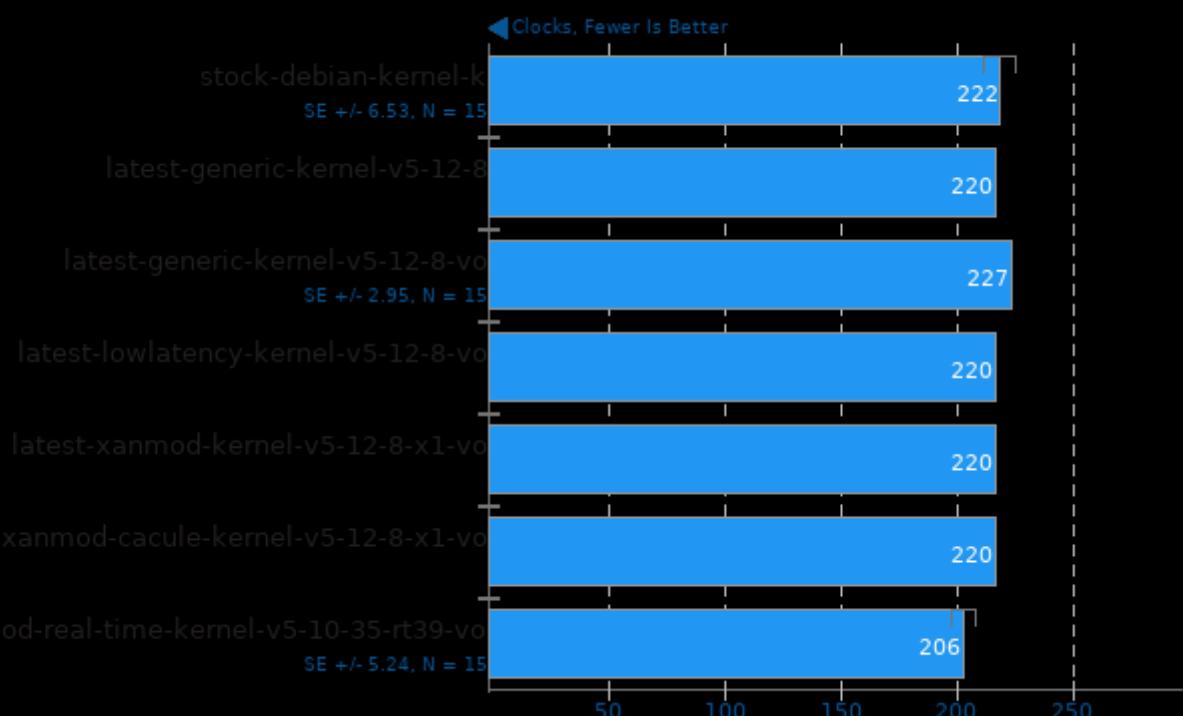
Test: System V Message Passing



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

## ctx\_clock

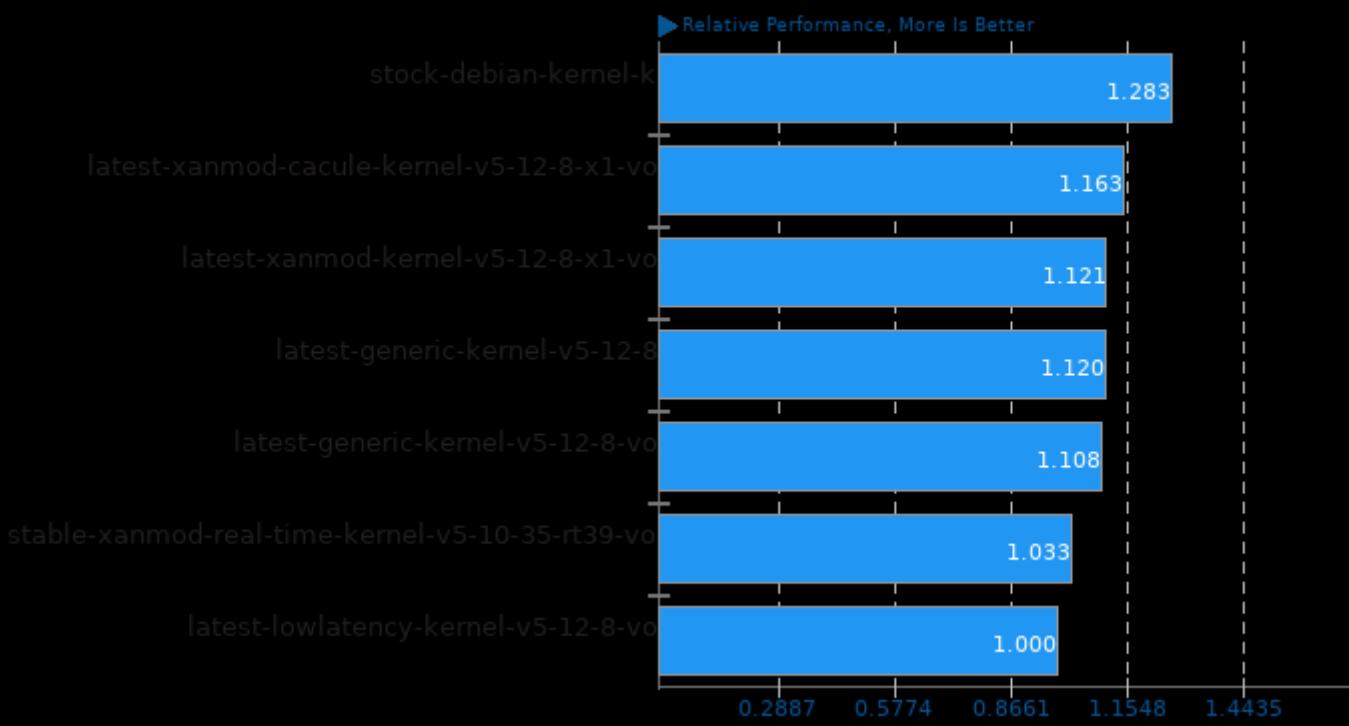
Context Switch Time



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

### Geometric Mean Of CPU Massive Tests

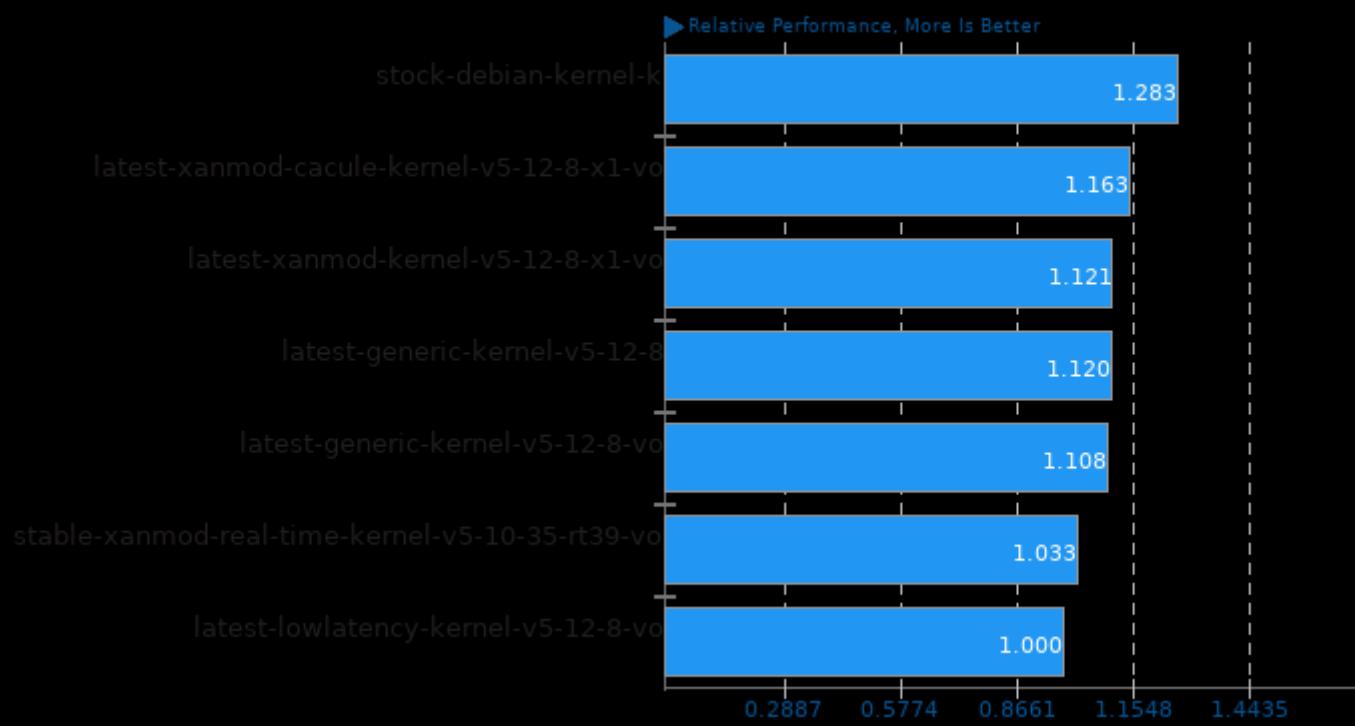
Result Composite - stock-debian-kernel-k



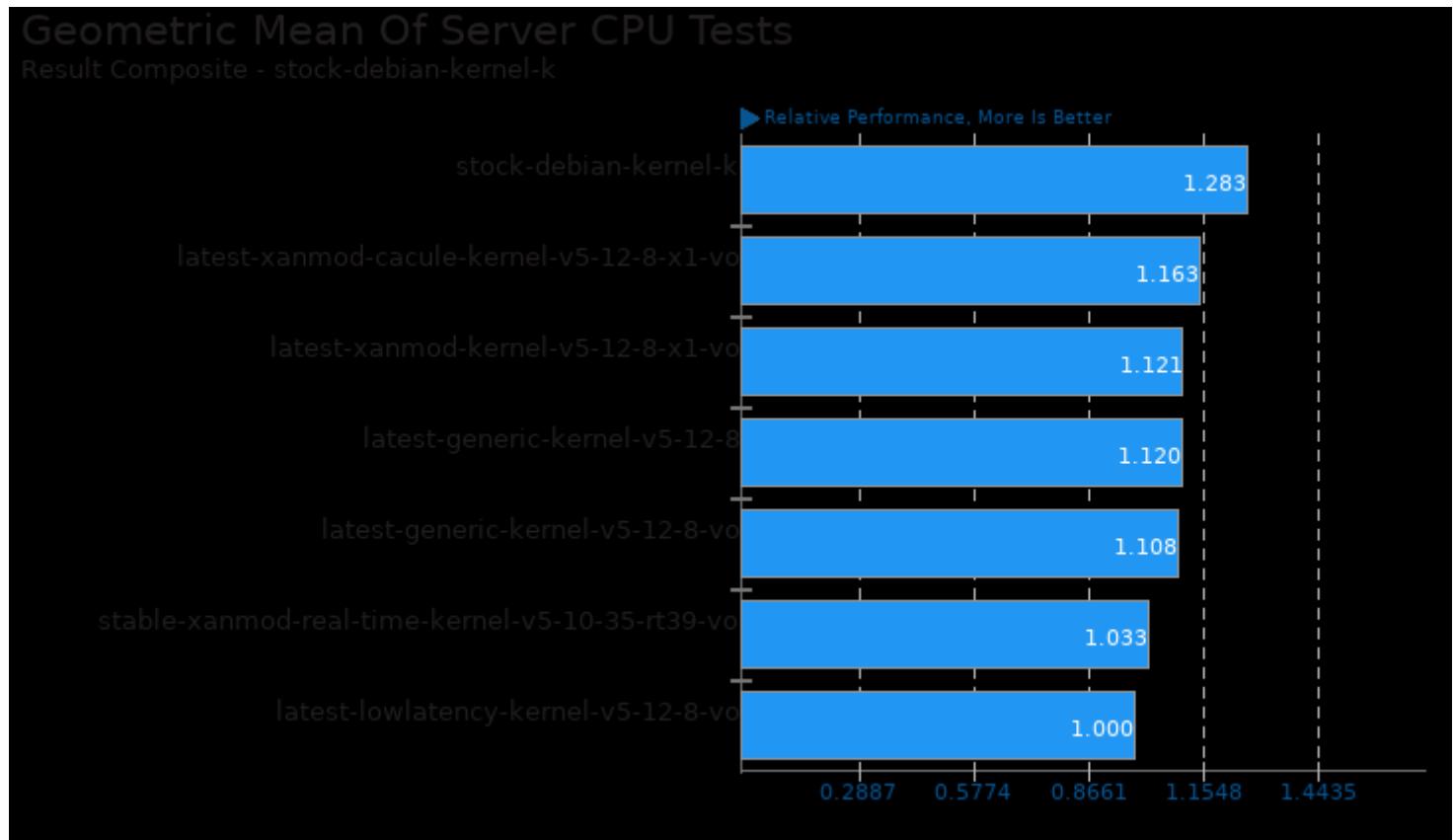
Geometric mean based upon tests: pts/ctx-clock and pts/stress-ng

### Geometric Mean Of Common Kernel Benchmarks Tests

Result Composite - stock-debian-kernel-k



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



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

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:21.*