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undvselcore

AMD Ryzen 9 5950X 16-Core testing with a ASUS ProArt X570-CREATOR WIFI (0402 BIOS) and Gigabyte AMD Radeon RX 6800/6800 XT / 6900 16GB on Fedora Linux 35 via the Phoronix Test Suite.

Test Systems:

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Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: ASUS ProArt X570-CREATOR WIFI (0402 BIOS), Chipset: AMD Starship/Matisse, Memory: 4 x 32 GB DDR4-3600MT/s Kingston, Disk: 2 x 1000GB Samsung SSD 980 PRO 1TB, Graphics: Gigabyte AMD Radeon RX 6800/6800 XT / 6900 16GB (2575/1000MHz), Audio: AMD Navi 21 HDMI Audio, Monitor: SONY X8500E, Network: Aquantia Device 94c0 + Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Fedora Linux 35, Kernel: 5.14.11-xm1.0.fc35.x86_64 (x86_64), Desktop: GNOME Shell 41.0, Display Server: X Server 1.20.11, OpenGL: 4.6 Mesa 21.2.3 (LLVM 13.0.0), Vulkan: 1.2.182, File-System: btrfs, Screen Resolution: 3840x2160

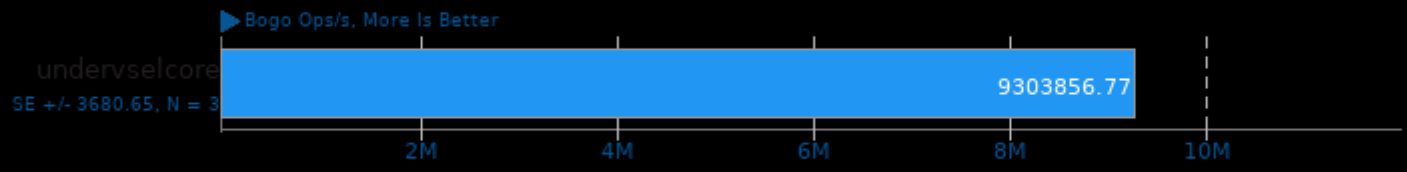
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Kernel Notes: amdgpu.ppfeaturemask=0xffffffff drm.edid_firmware=edid/good-edid-test.bin drm.edid_firmware=HDMI-A-1:edid/good-edid-test.bin - Transparent Huge Pages: madvise
Environment Notes: DEBUGINFOD_URLS=https://debuginfod.fedoraproject.org/
Compiler Notes: --build=x86_64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-cet --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lto --enable-link-serialization=1 --enable-multilib --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-build-config=bootstrap-lto --with-gcc-major-version-only --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver
Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0xa201016
Security Notes: SELinux + 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: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

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Stress-NG - S.V.M.P (Bogo Ops/s)	9303857
Standard Deviation	0.1%
Stress-NG - G.Q.D.S (Bogo Ops/s)	265.37
Standard Deviation	1.3%
Stress-NG - G.C.S.F (Bogo Ops/s)	2689746
Standard Deviation	1.3%
Stress-NG - Context Switching (Bogo Ops/s)	5236014
Standard Deviation	2.3%
Stress-NG - Socket Activity (Bogo Ops/s)	18651
Standard Deviation	0.7%
Stress-NG - Memory Copying (Bogo Ops/s)	7401
Standard Deviation	0.3%
Stress-NG - Vector Math (Bogo Ops/s)	111529
Standard Deviation	0.2%
Stress-NG - Matrix Math (Bogo Ops/s)	78122
Standard Deviation	0.3%
Stress-NG - Semaphores (Bogo Ops/s)	2428610
Standard Deviation	0.1%
Stress-NG - CPU Stress (Bogo Ops/s)	54613
Standard Deviation	0.1%
Stress-NG - SENDFILE (Bogo Ops/s)	446913
Standard Deviation	0.2%
Stress-NG - Forking (Bogo Ops/s)	73787
Standard Deviation	1.7%
Stress-NG - Malloc (Bogo Ops/s)	269546373
Standard Deviation	1.4%
Stress-NG - Crypto (Bogo Ops/s)	5545
Standard Deviation	0.2%
Stress-NG - Atomic (Bogo Ops/s)	193828
Standard Deviation	0%
Stress-NG - MEMFD (Bogo Ops/s)	1596
Standard Deviation	0.4%
Stress-NG - NUMA (Bogo Ops/s)	450.24
Standard Deviation	0.8%
Stress-NG - MMAP (Bogo Ops/s)	600.22
Standard Deviation	0.1%
Stress-NG - CPU Cache (Bogo Ops/s)	130.07
Standard Deviation	6.5%
Stress-NG - IO_uring (Bogo Ops/s)	46321
Standard Deviation	12.1%

Stress-NG 0.13.02

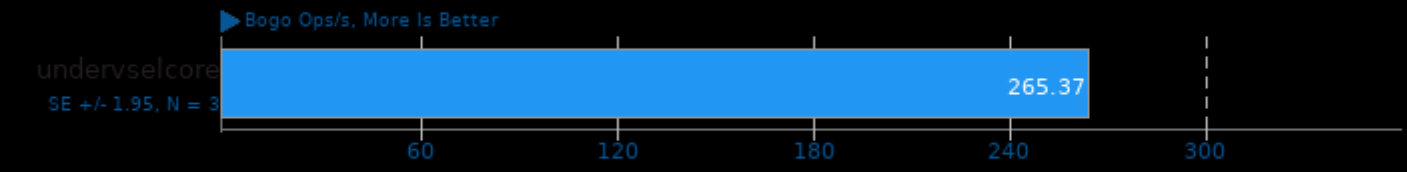
Test: System V Message Passing



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

Stress-NG 0.13.02

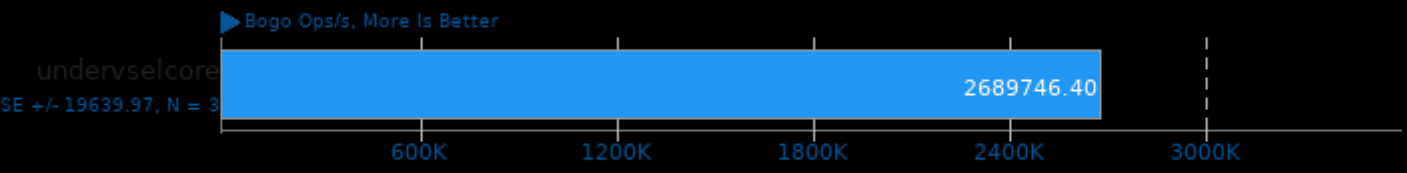
Test: Glibc Qsort Data Sorting



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

Stress-NG 0.13.02

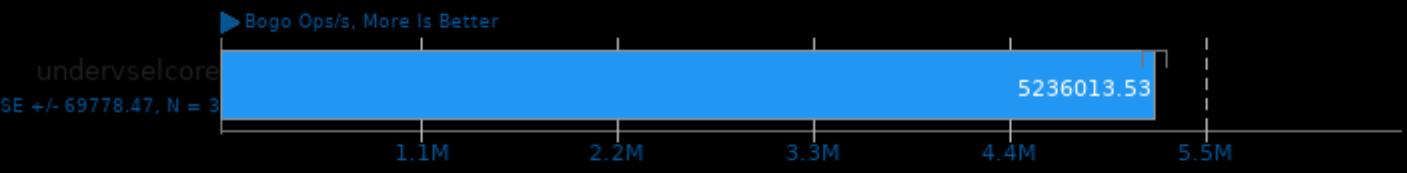
Test: Glibc C String Functions



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

Stress-NG 0.13.02

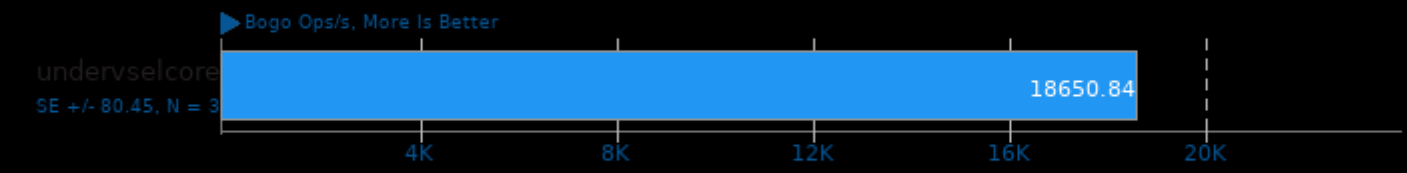
Test: Context Switching



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

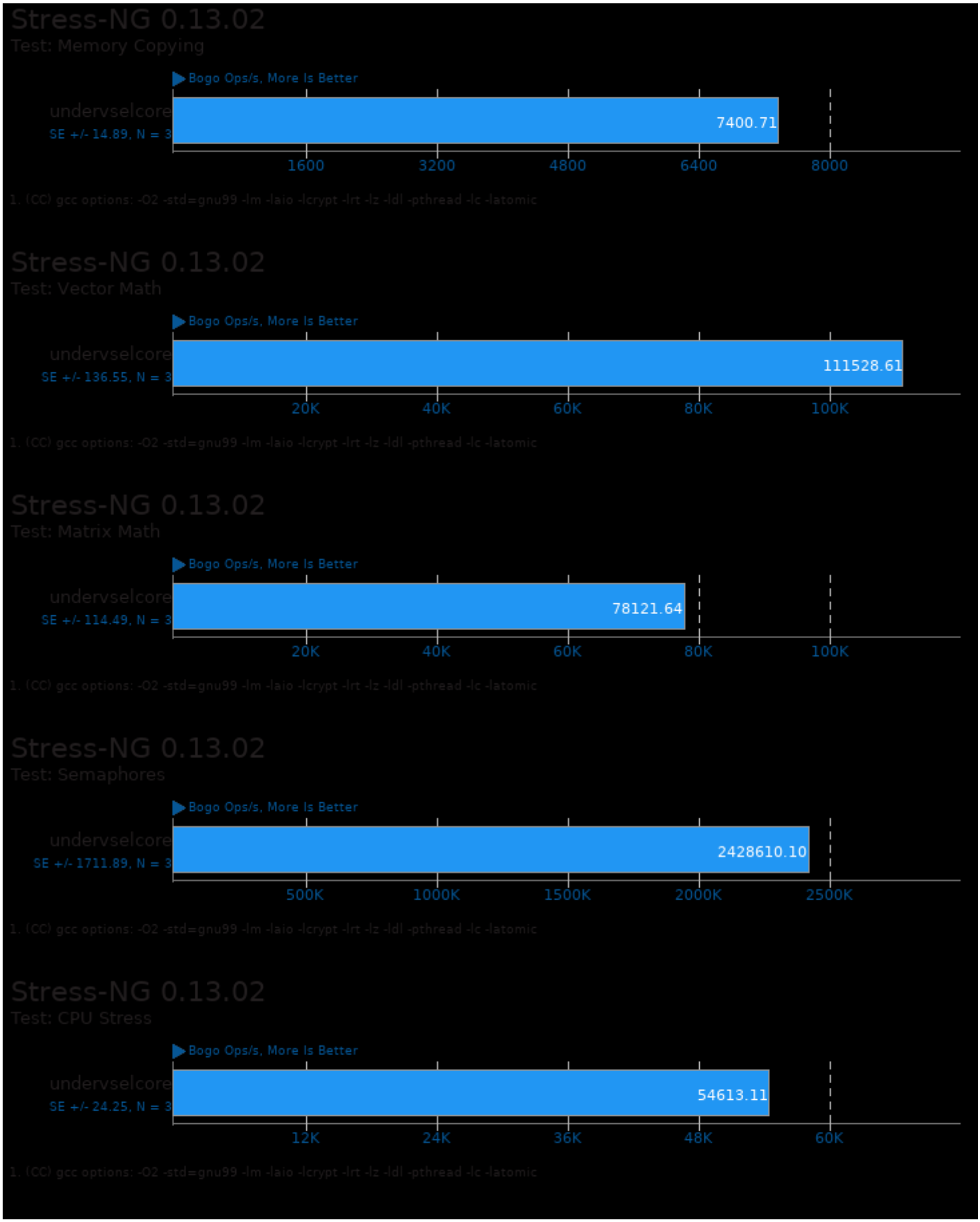
Stress-NG 0.13.02

Test: Socket Activity



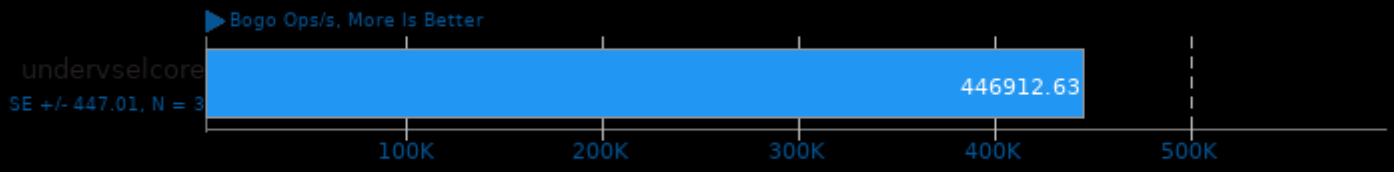
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lz -ldl -pthread -lc -latomic

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Stress-NG 0.13.02

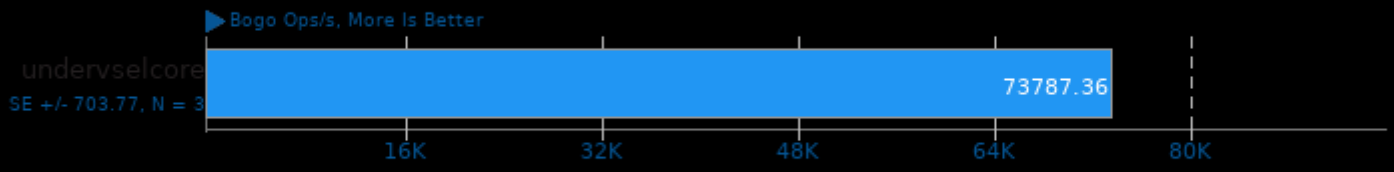
Test: SENDFILE



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

Stress-NG 0.13.02

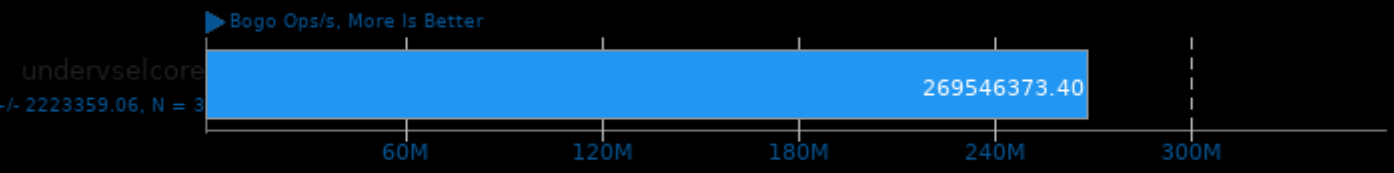
Test: Forking



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

Stress-NG 0.13.02

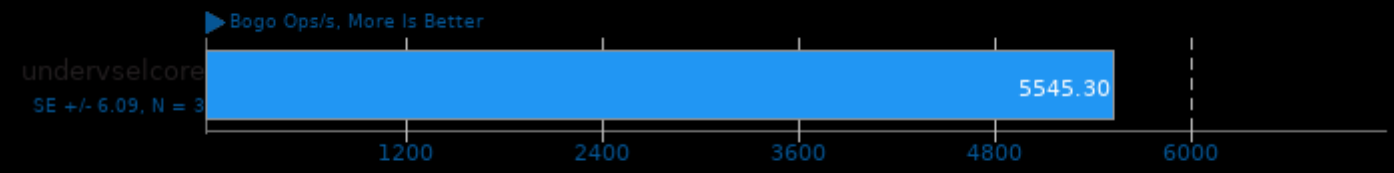
Test: Malloc



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

Stress-NG 0.13.02

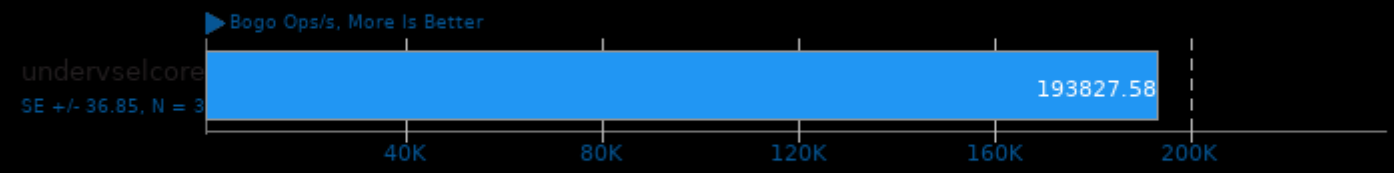
Test: Crypto



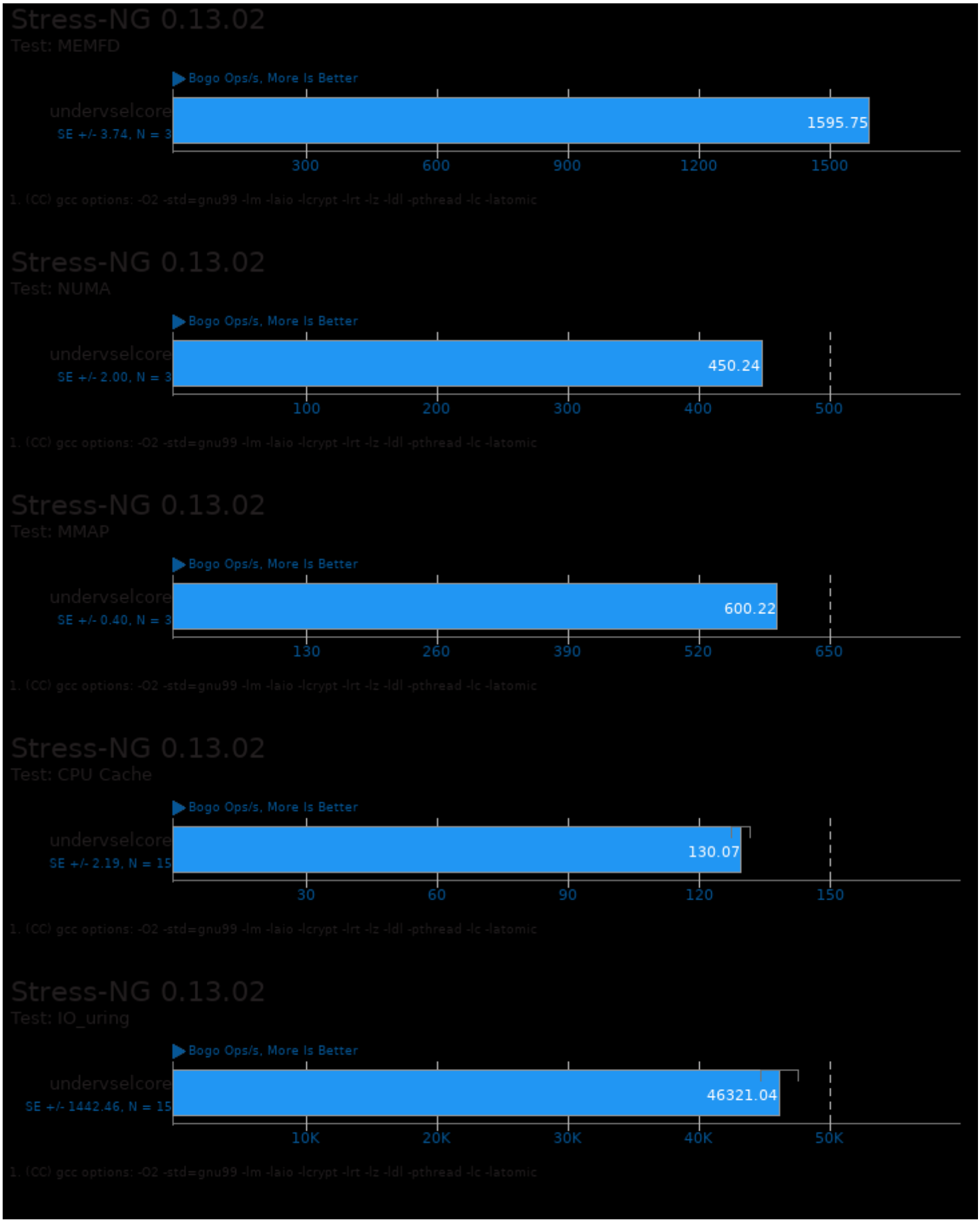
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lcrypt -lrt -lz -ldl -pthread -lc -latomic

Stress-NG 0.13.02

Test: Atomic



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



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

20:08.