

www.phoronix-test-suite.com

phor-mem-mbw.txt

2 x Intel Xeon X5680 testing with a HP 0AECh (786G5 v03.56 BIOS) and NVIDIA Quadro 600 1GB on Ubuntu 19.04 via the Phoronix Test Suite.

Test Systems:

MBW Mem Test

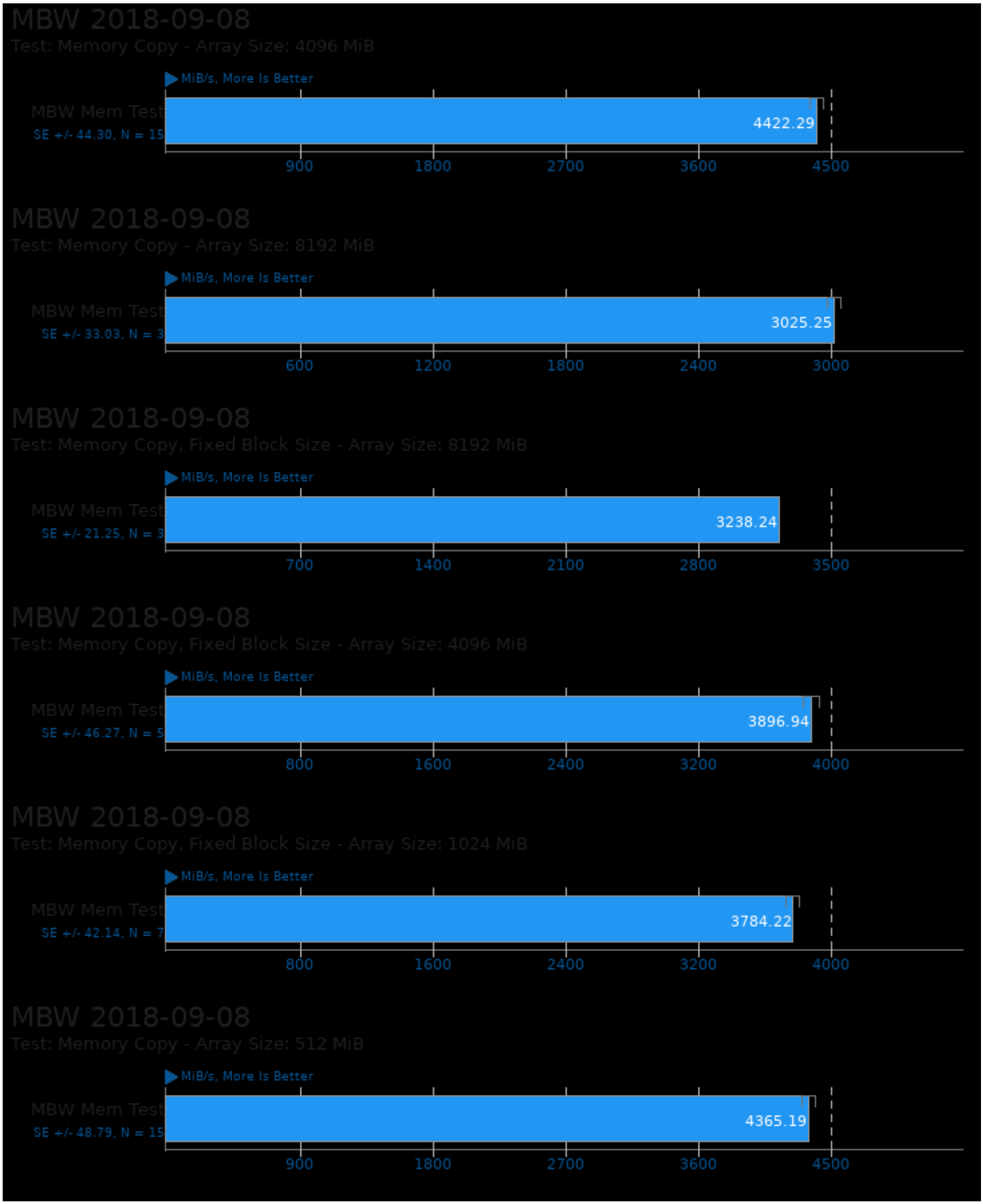
Processor: 2 x Intel Xeon X5680 @ 3.33GHz (12 Cores / 24 Threads), Motherboard: HP 0AECh (786G5 v03.56 BIOS), Chipset: Intel 5520 I/O + ICH10R, Memory: 32768MB, Disk: 300GB Seagate ST3300657SS + 300GB HUS156030VLS600, Graphics: NVIDIA Quadro 600 1GB (641/793MHz), Audio: Realtek ALC262, Monitor: C27H71x, Network: 2 x Broadcom NetXtreme BCM5764M PCIe

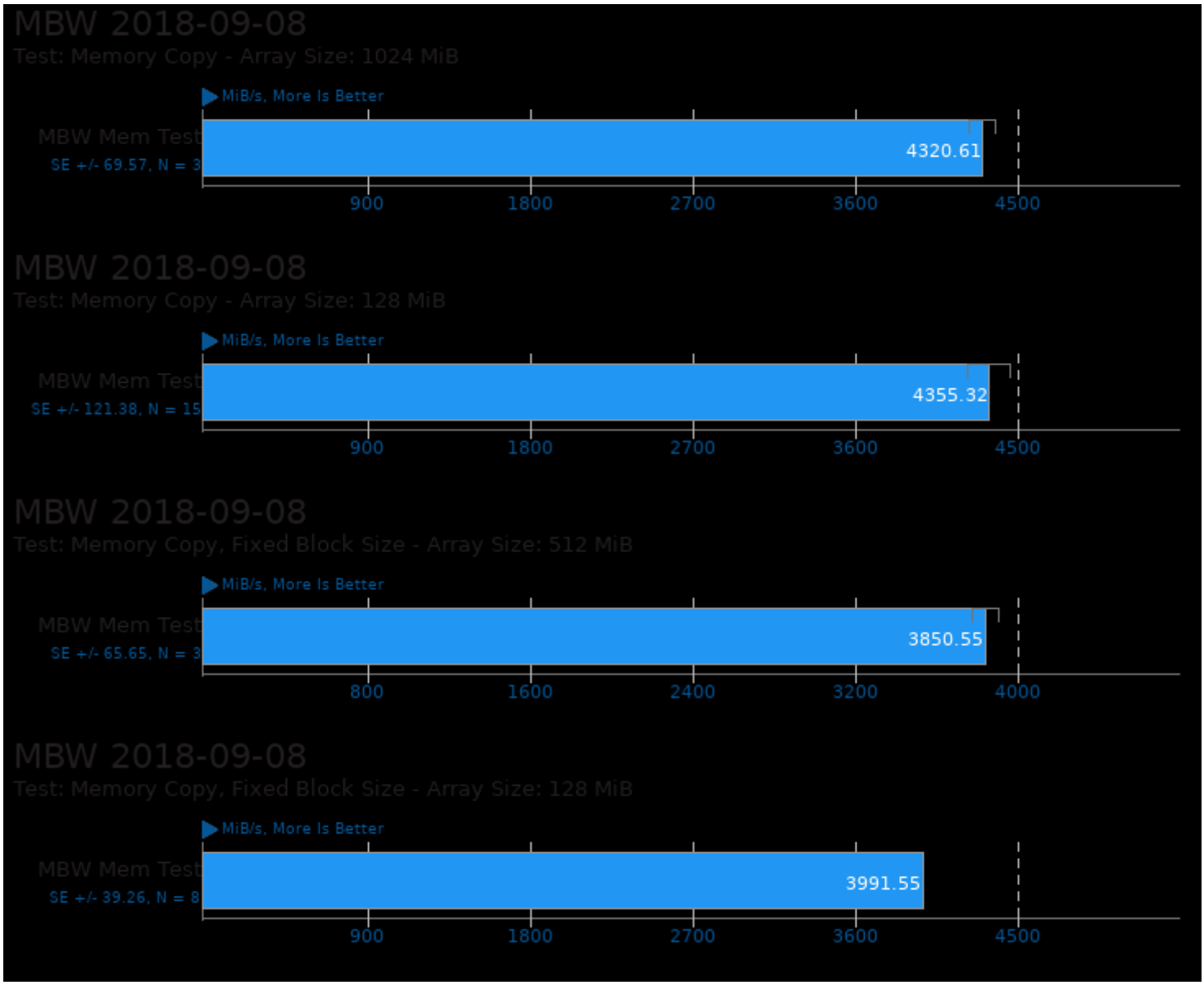
OS: Ubuntu 19.04, Kernel: 5.0.0-19-generic (x86_64), Desktop: GNOME Shell 3.32.0, Display Server: X Server 1.20.4, Display Driver: NVIDIA 390.116, OpenGL: 4.6.0, Compiler: GCC 8.3.0, File-System: ext4, Screen Resolution: 1920x1080

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: Scaling Governor: acpi-cpufreq ondemand
Security Notes: l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling

	MBW Mem Test
MBW - Memory Copy - 4096 MiB (MiB/s)	4422
Standard Deviation	3.9%
MBW - Memory Copy - 8192 MiB (MiB/s)	3025
Standard Deviation	1.9%
MBW - M.C.F.B.S - 8192 MiB (MiB/s)	3238
Standard Deviation	1.1%
MBW - M.C.F.B.S - 4096 MiB (MiB/s)	3897
Standard Deviation	2.7%
MBW - M.C.F.B.S - 1024 MiB (MiB/s)	3784
Standard Deviation	2.9%
MBW - Memory Copy - 512 MiB (MiB/s)	4365
Standard Deviation	4.3%
MBW - Memory Copy - 1024 MiB (MiB/s)	4321
Standard Deviation	2.8%
MBW - Memory Copy - 128 MiB (MiB/s)	4355
Standard Deviation	10.8%
MBW - M.C.F.B.S - 512 MiB (MiB/s)	3851
Standard Deviation	3%
MBW - M.C.F.B.S - 128 MiB (MiB/s)	3992
Standard Deviation	2.8%


MBW 2018-09-08
Test: Memory Copy - Array Size: 4096 MiB
MiB/s, More Is Better
MBW Mem Test
SE +/- 44.30, N = 15
4422.29
900
1800
2700
3600
4500
MBW 2018-09-08
Test: Memory Copy - Array Size: 8192 MiB
MiB/s, More Is Better
MBW Mem Test
SE +/- 33.03, N = 3
3025.25
600
1200
1800
2400
3000
MBW 2018-09-08
Test: Memory Copy, Fixed Block Size - Array Size: 8192 MiB
MiB/s, More Is Better
MBW Mem Test
SE +/- 21.25, N = 3
3238.24
700
1400
2100
2800
3500
MBW 2018-09-08
Test: Memory Copy, Fixed Block Size - Array Size: 4096 MiB
MiB/s, More Is Better
MBW Mem Test
SE +/- 46.27, N = 5
3896.94
800
1600
2400
3200
4000
MBW 2018-09-08
Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB
MiB/s, More Is Better
MBW Mem Test
SE +/- 42.14, N = 7
3784.22
800
1600
2400
3200
4000
MBW 2018-09-08
Test: Memory Copy - Array Size: 512 MiB
MiB/s, More Is Better
MBW Mem Test
SE +/- 48.79, N = 15
4365.19
900
1800
2700
3600
4500



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:41.