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20210914HPC

2 x Intel Xeon E5-2690 v4 testing with a ASUS Z10PE-D8 WS (4301 BIOS) and NVIDIA GeForce RTX 2070 Rev. A 8GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

2 x Intel Xeon E5-2690 v4

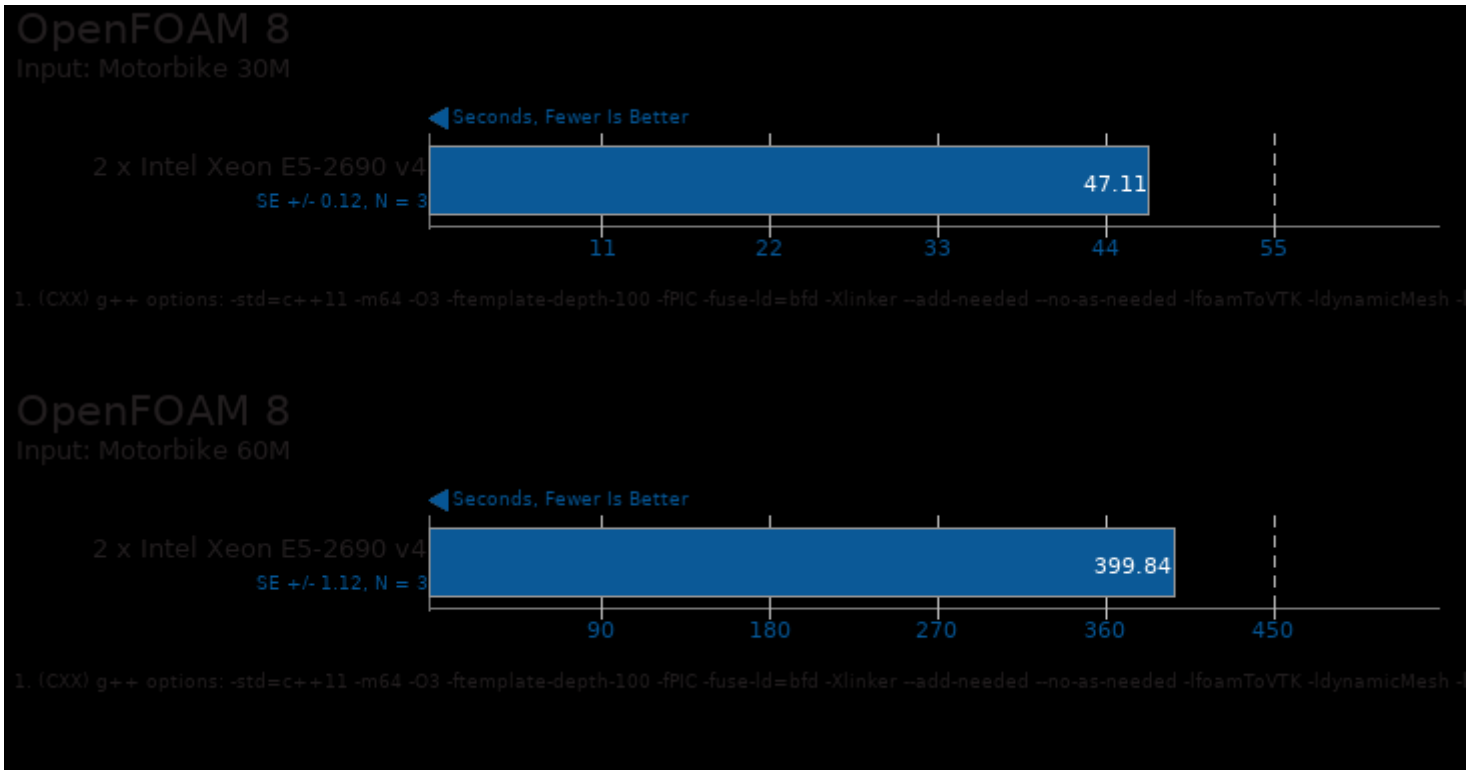
Processor: 2 x Intel Xeon E5-2690 v4 @ 3.50GHz (28 Cores / 56 Threads), Motherboard: ASUS Z10PE-D8 WS (4301 BIOS), Chipset: Intel Xeon E7 v4/Xeon, Memory: 126GB, Disk: 512GB Samsung SSD 850 + 1024GB Samsung SSD 850 + 500GB Western Digital WD5000AAKS-0, Graphics: NVIDIA GeForce RTX 2070 Rev. A 8GB, Audio: Realtek ALC1150, Network: 2 x Intel I210

OS: Ubuntu 20.04, Kernel: 5.4.0-84-generic (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.11, Display Driver: NVIDIA, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 640x480

Kernel Notes: Transparent Huge Pages: madvise
Environment Notes: WM_LDFLAGS=-m64 WM_CFLAGS="-m64 -fPIC" WM_CXXFLAGS="-m64 -fPIC -std=c++0x"
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --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++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-nrQql7/gcc-9-9.4.0/debian/tmp-nvptx/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-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: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xb00003e
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + 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 generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT vulnerable

	2 x Intel Xeon E5-2690 v4
OpenFOAM - Motorbike 30M (sec)	47.11
Standard Deviation	0.4%
OpenFOAM - Motorbike 60M (sec)	399.84
Standard Deviation	0.5%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 18:58.