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gromacs xeon

Intel Xeon E5-2609 v4 testing with a MSI X99A RAIDER (MS-7885) v5.0 (P.50 BIOS) and llvmpipe on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

1

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Processor: Intel Xeon E5-2609 v4 @ 1.70GHz (8 Cores), Motherboard: MSI X99A RAIDER (MS-7885) v5.0 (P.50 BIOS), Chipset: Intel Xeon E7 v4/Xeon, Memory: 16GB, Disk: 256GB CORSAIR FORCE LX, Graphics: llvmpipe, Audio: Realtek ALC892, Network: Intel I218-V

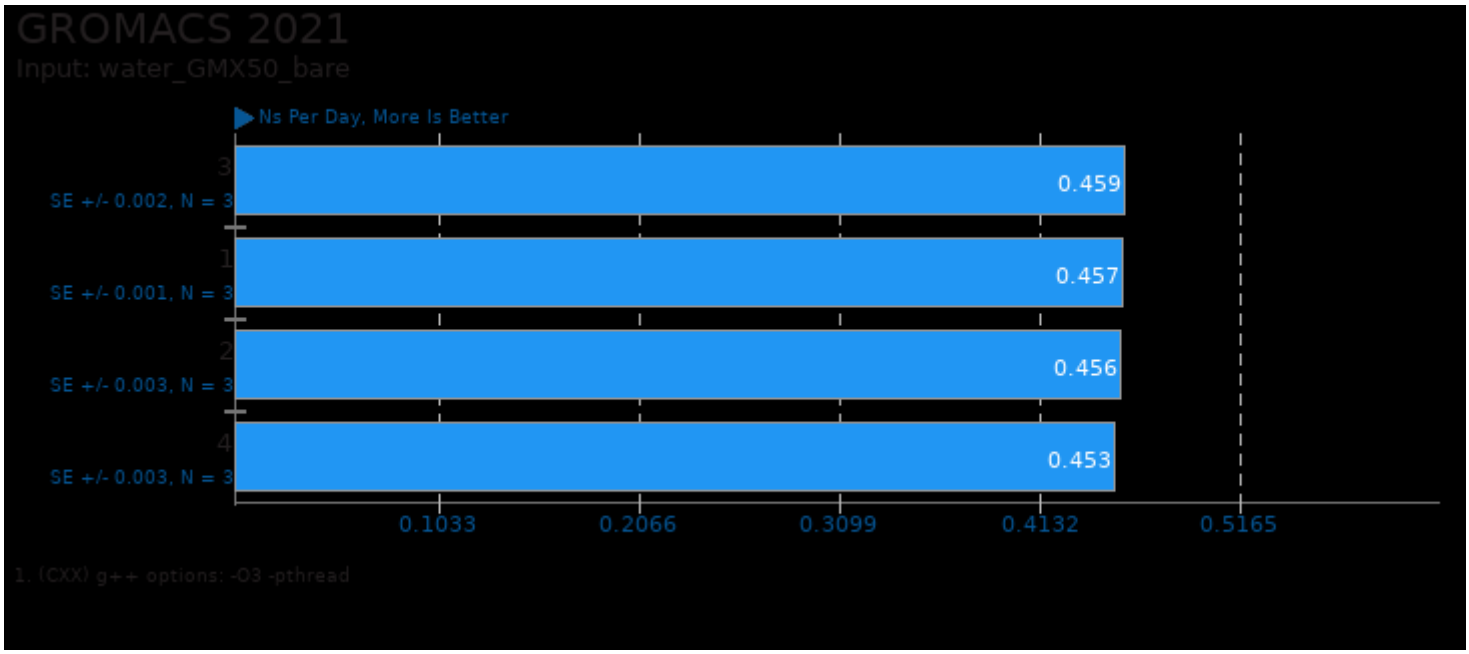
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OS: Ubuntu 20.04, Kernel: 5.9.0-050900rc6daily20200926-generic (x86_64) 20200925, Desktop: GNOME Shell 3.36.2, Display Server: X Server 1.20.8, OpenGL: 3.3 Mesa 20.0.4 (LLVM 9.0.1 256 bits), Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1024x768

Kernel Notes: Transparent Huge Pages: madvise
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,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_cpufreq ondemand - CPU Microcode: 0xb000038
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT disabled + mds: Mitigation of Clear buffers; SMT disabled + 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: disabled RSB filling + srbds: Not affected + tsx_async_abort: Mitigation of Clear buffers; SMT disabled

	1	2	3	4
GROMACS - water_GMX50_bare (Ns/Day)	0.457	0.456	**0.459**	**0.453**
Normalized	99.56%	99.35%	100%	98.69%
Standard Deviation	0.5%	1.1%	0.9%	1%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 22:28.