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e5cudanbody

2 x Intel Xeon E5-2630 v4 testing with a Supermicro X10DAI v1.02 and ASUS NVIDIA GeForce GTX 1080 8192MB on Ubuntu 16.04 via the Phoronix Test Suite.

Test Systems:

benche5

Processor: 2 x Intel Xeon E5-2630 v4 @ 3.10GHz (40 Cores), Motherboard: Supermicro X10DAI v1.02, Chipset: Intel Xeon E7 v4/Xeon, Memory: 129024MB, Disk: 2 x 240GB INTEL SSDSC2BB24 + 480GB INTEL SSDSC2BB48, Graphics: ASUS NVIDIA GeForce GTX 1080 8192MB (60/5005MHz), Audio: Realtek ALC888-VD, Network: Intel I210 Gigabit Connection

OS: Ubuntu 16.04, Kernel: 4.4.0-91-generic (x86_64), Desktop: Unity 7.4.0, Display Driver: NVIDIA 375.66, OpenGL: 4.5.0, Vulkan: 1.0.24, Compiler: GCC 5.4.0 20160609 + Clang 3.9.1-4ubuntu3~16.04.1 + CUDA 8.0, File-System: ext4, Screen Resolution: 1920x1080

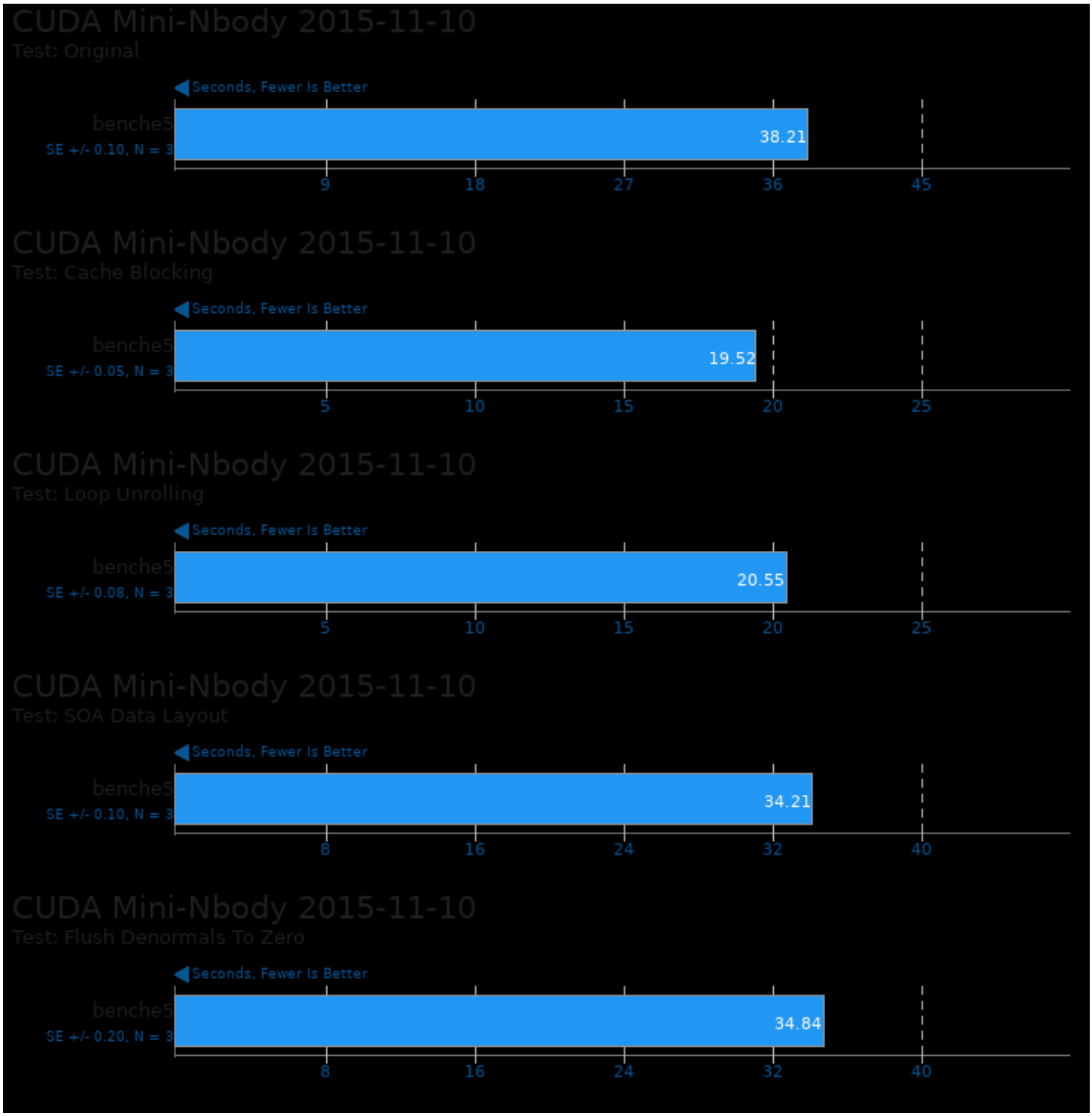
Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx

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--enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v
Processor Notes: Scaling Governor: intel_pstate powersave

	benche5
CUDA Mini-Nbody - Original (sec)	38.21
Standard Deviation	0.4%
CUDA Mini-Nbody - Cache Blocking (sec)	19.52
Standard Deviation	0.5%
CUDA Mini-Nbody - Loop Unrolling (sec)	20.55
Standard Deviation	0.6%
CUDA Mini-Nbody - SOA Data Layout (sec)	34.21
Standard Deviation	0.5%
CUDA Mini-Nbody - F.D.T.Z (sec)	34.84
Standard Deviation	1%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:19.