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bmcd-i5-7500T-sysbench

Intel Core i5-7500T testing with a Dell OptiPlex 7050 [0D24M8] (1.18.0 BIOS) and Intel HD 630 on Debian 11 via the Phoronix Test Suite.

Test Systems:

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Processor: Intel Core i5-7500T @ 3.30GHz (4 Cores), Motherboard: Dell OptiPlex 7050 [0D24M8] (1.18.0 BIOS), Chipset: Intel Xeon E3-1200 v6/7th + Q270, Memory: 2 x 16 GB DDR4-2400MT/s, Disk: Samsung SSD 980 PRO 500GB + 500GB 3.0, Graphics: Intel HD 630 (1100MHz), Audio: Realtek ALC3234, Network: Intel I219-LM + Intel 8265 / 8275

OS: Debian 11, Kernel: 5.10.0-16-amd64 (x86_64), Vulkan: 1.2.145, Compiler: GCC 10.2.1 20210110, File-System: ext4

Kernel Notes: Transparent Huge Pages: always
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++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug

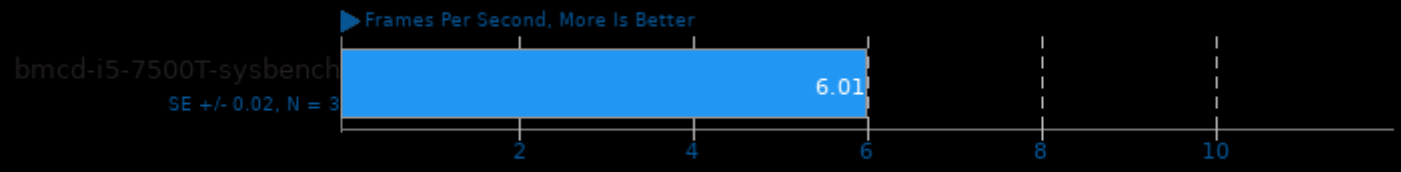
--enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr, hsa --enable-plugin --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-build-config=bootstrap-lto-lean --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 (EPP: balance_performance) - CPU Microcode: 0xea
Python Notes: Python 3.9.2
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 + mmio_stale_data: Mitigation of Clear buffers; SMT disabled + 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 Retpolines IBPB: conditional IBRS_FW STIBP: disabled RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Mitigation of Clear buffers; SMT disabled

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x265 - Bosphorus 4K (FPS)	6.01
Standard Deviation	0.5%
x265 - Bosphorus 1080p (FPS)	25.32
Standard Deviation	0.1%
Himeno Benchmark - P.P.S (MFLOPS)	2643
Standard Deviation	0.1%
Rodinia - OpenMP LavaMD (sec)	921.814
Standard Deviation	3.6%
Rodinia - OpenMP CFD Solver (sec)	61.733
Standard Deviation	0.5%
Git - T.T.C.C.G.C (sec)	66.792
Standard Deviation	0.2%

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x265 3.4

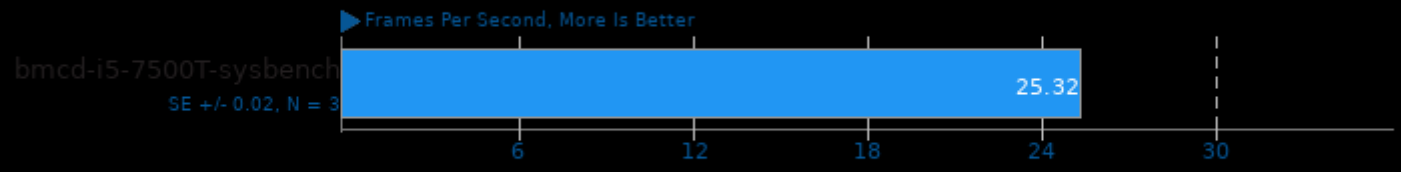
Video Input: Bosphorus 4K



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

x265 3.4

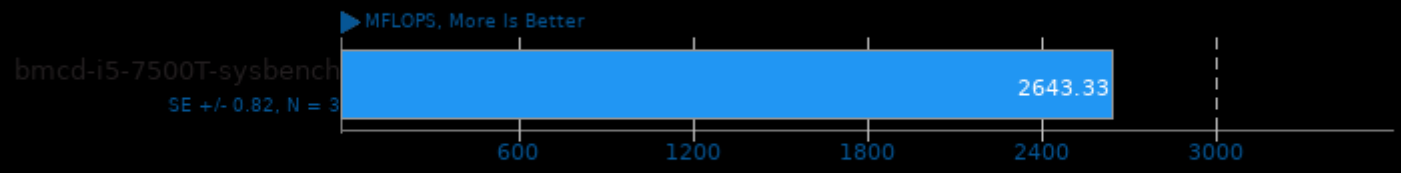
Video Input: Bosphorus 1080p



1. (CXX) g++ options: -O3 -rdynamic -lpthread -lrt -ldl -lnuma

Himeno Benchmark 3.0

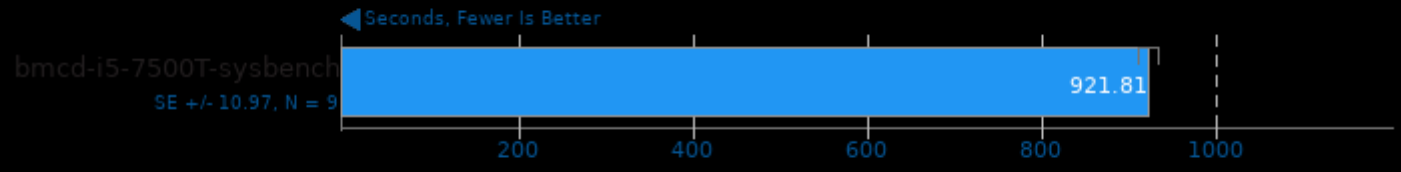
Poisson Pressure Solver



1. (CC) gcc options: -O3 -mavx2

Rodinia 3.1

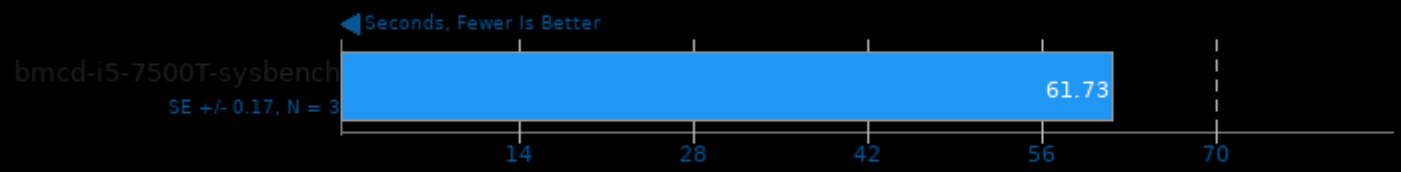
Test: OpenMP LavaMD



1. (CXX) g++ options: -O2 -lOpenCL

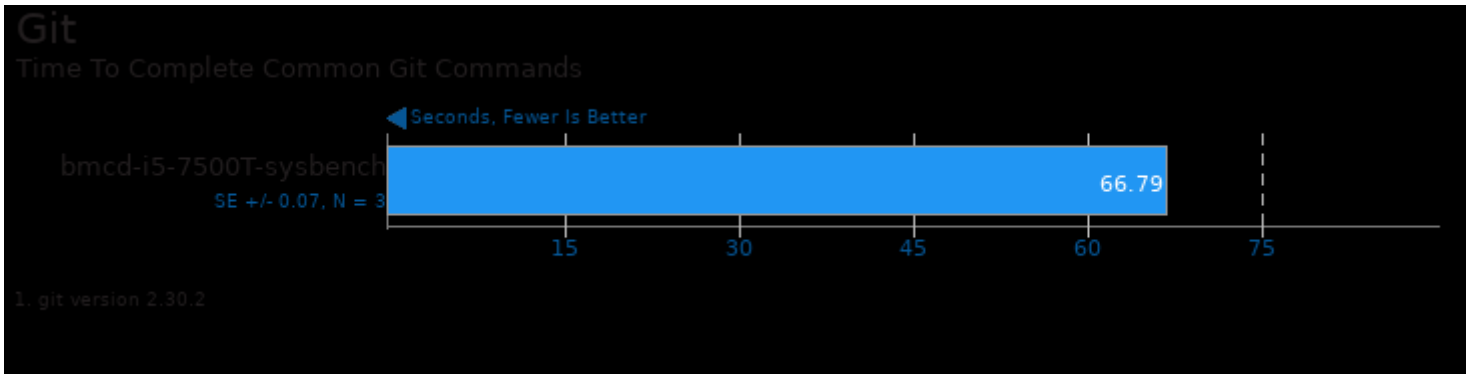
Rodinia 3.1

Test: OpenMP CFD Solver



1. (CXX) g++ options: -O2 -lOpenCL

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