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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:**

#### **bmcd-i5-7500T-sysbench**

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,amdgn-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/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Retpolines IBPB: conditional IBRS\_FW STIBP: disabled RSB filling + srbd: Mitigation of Microcode + tsx\_async\_abort: Mitigation of Clear buffers; SMT disabled

**bmcd-i5-7500T-sysbench**

**Rodinia - OpenMP LavaMD (sec)** 921.814

Standard Deviation 3.6%

**x265 - Bosphorus 4K (FPS)** 6.01

Standard Deviation 0.5%

**Git - T.T.C.C.G.C (sec)** 66.792

Standard Deviation 0.2%

**Rodinia - OpenMP CFD Solver (sec)** 61.733

Standard Deviation 0.5%

**Himeno Benchmark - P.P.S (MFLOPS)** 2643

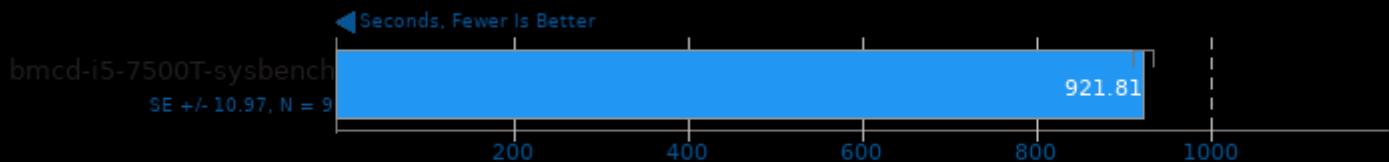
Standard Deviation 0.1%

**x265 - Bosphorus 1080p (FPS)** 25.32

Standard Deviation 0.1%

## Rodinia 3.1

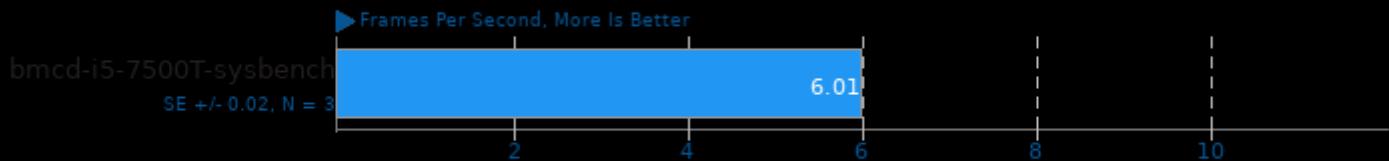
Test: OpenMP LavaMD



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

## x265 3.4

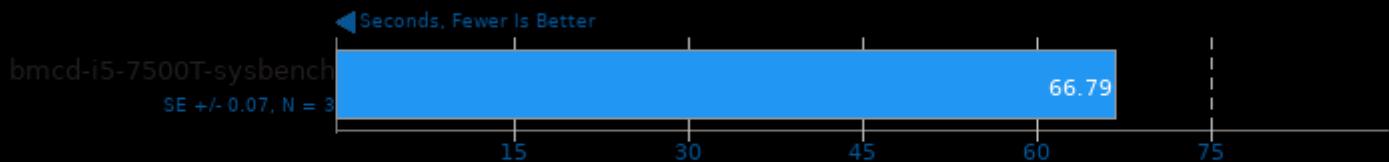
Video Input: Bosphorus 4K



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

## Git

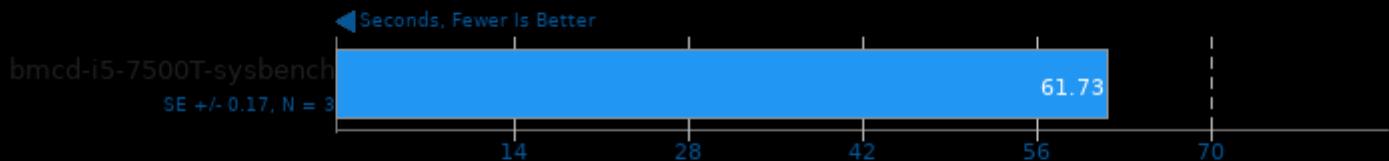
Time To Complete Common Git Commands



1. git version 2.30.2

## Rodinia 3.1

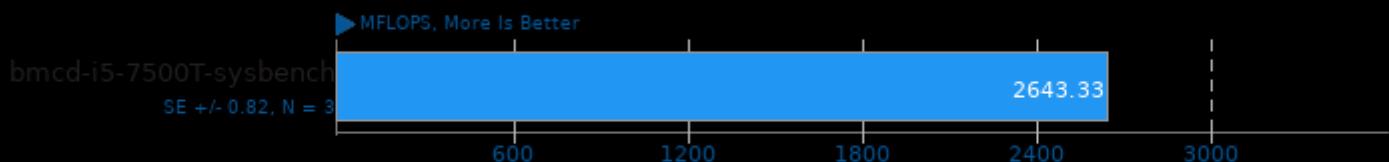
Test: OpenMP CFD Solver



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

## Himeno Benchmark 3.0

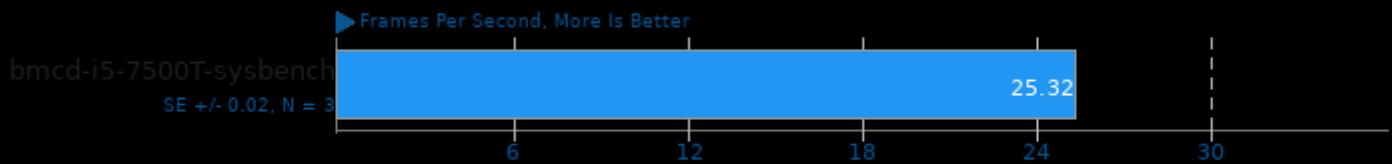
Poisson Pressure Solver



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

**x265 3.4**

Video Input: Bosphorus 1080p



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

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 05:21.*