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## Ubuntu 20.04 Benchmarks

Various open-source benchmarks by the Phoronix Test Suite v10.4.0 (lbestad).

### Test Systems:

#### Intel Core 2 Quad Q9650

Processor: Intel Core 2 Quad Q9650 (4 Cores), Motherboard: Dell 0M863N (A15 BIOS), Chipset: Intel 4 DRAM + ICH10D, Memory: 8GB, Disk: 1000GB Western Digital WD10EZEX-60Z, Graphics: Intel Q45/Q43 2GB, Audio: Analog Devices AD1984A, Monitor: PB328, Network: Intel 82567LM-3

OS: Ubuntu 20.04, Kernel: 5.11.0-27-generic (x86\_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.11, OpenGL: 2.1 Mesa 21.0.3, Vulkan: 1.0.2, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 1920x1200

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,objc++,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-HskZEa/gcc-9-9.3.0/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: CPU Microcode: 0xa0b

Security Notes: itlb\_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: EPT disabled + mds: Vulnerable: Clear buffers attempted no microcode; SMT disabled + meltdown: Mitigation of PTI + spec\_store\_bypass: Vulnerable + spectre\_v1: Mitigation of usercopy/swaps barriers and \_\_user pointer sanitization + spectre\_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling + srbs: Not affected + tsx\_async\_abort: Not affected

**Intel Core 2 Quad Q9650****C-Ray - Total Time - 4.1.R.P.P (sec)** 337.429

Standard Deviation 0.1%

**KTX-Software toktx - Zstd Compression 9 (sec)** 6.583

Standard Deviation 1.1%

**Xsbench (Lookups/s)** 202958

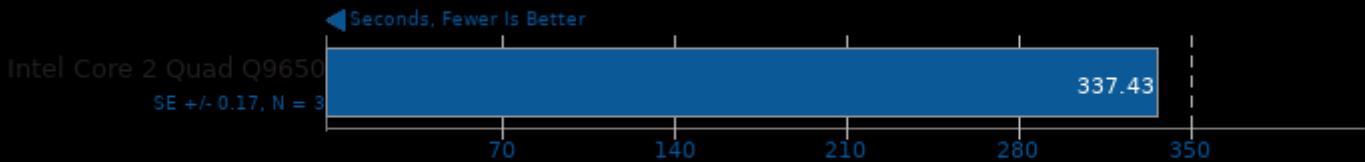
Standard Deviation 0.1%

**NeatBench - CPU (FPS)** 2.50

Standard Deviation 0.2%

## C-Ray 1.1

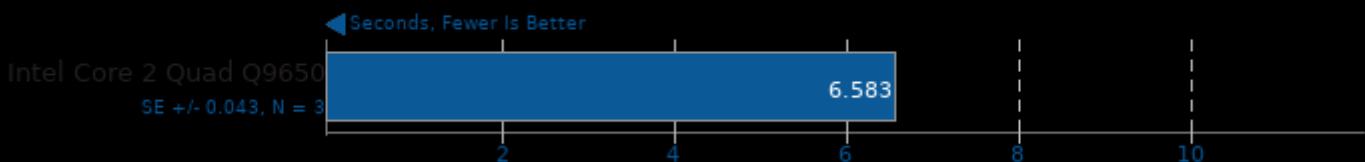
Total Time - 4K, 16 Rays Per Pixel



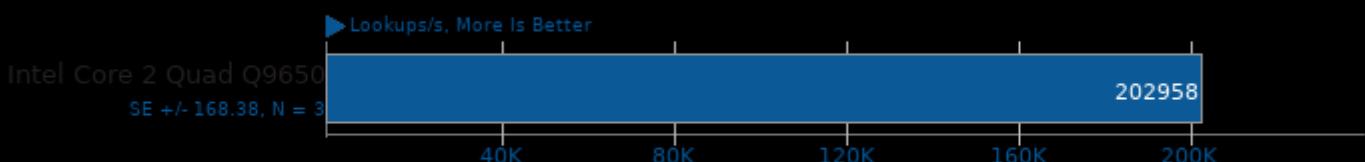
1. (CC) gcc options: -lm -lpthread -O3

## KTX-Software toktx 4.0

Settings: Zstd Compression 9



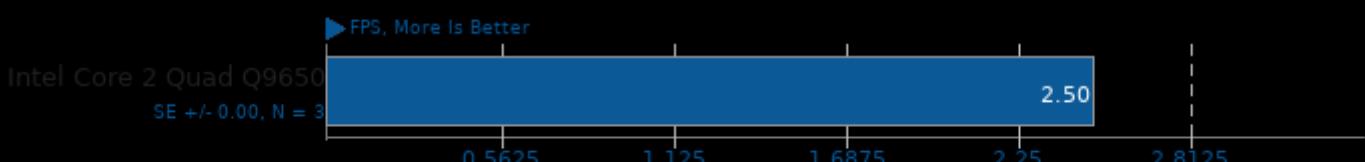
## Xsbench 2017-07-06



1. (CC) gcc options: -std=gnu99 -fopenmp -O3 -lm

## NeatBench 5

Acceleration: CPU



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 21:10.