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## ryzen7590-win11-hpl

wsl testing on Ubuntu 20.04 via the Phoronix Test Suite.

## Test Systems:

### AMD Ryzen 9 7950X 16-Core

Processor: AMD Ryzen 9 7950X 16-Core (16 Cores / 32 Threads), Memory: 64GB, Disk: 17GB Virtual Disk + 1100GB Virtual Disk

OS: Ubuntu 20.04, Kernel: 5.15.68.1-microsoft-standard-WSL2 (x86\_64), Display Server: X Server 1.20.13 + Wayland, Compiler: GCC 9.4.0 + Clang 10.0.0-4ubuntu1, File-System: ext4, System Layer: wsl

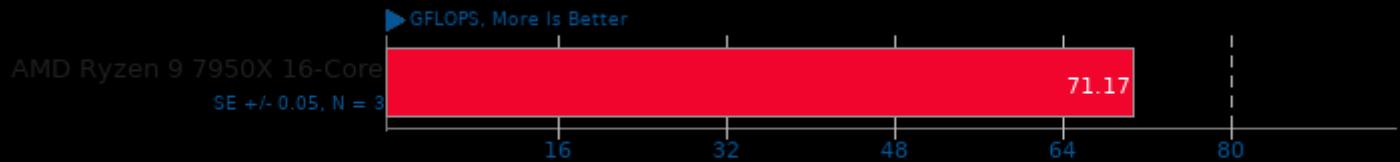
Kernel Notes: Transparent Huge Pages: always  
Compiler Notes: --build=x86\_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale-gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9.9.4.0/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: 0xffffffff  
Security Notes: itlb\_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio\_stale\_data: Not affected + retbleed: Not affected +

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: conditional RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx\_async\_abort: Not affected

**AMD Ryzen 9 7950X 16-Core****HPL Linpack (GFLOPS)** 71.167

Standard Deviation 0.1%

## HPL Linpack 2.3



1. (CC) gcc options: -O2 -lopenblas -lm -pthread -lmpi

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 04:09.*