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Clear linux

Intel Core i9-10900KF testing with a Gigabyte Z490 VISION G (F6 BIOS) and Gigabyte NVIDIA GeForce GTX 1660 SUPER on Clear Linux OS 33970 via the Phoronix Test Suite.

Test Systems:

Intel Core i9-10900KF

Processor: Intel Core i9-10900KF @ 5.30GHz (10 Cores / 20 Threads), Motherboard: Gigabyte Z490 VISION G (F6 BIOS), Chipset: Intel Comet Lake PCH, Memory: 32GB, Disk: Samsung SSD 970 PRO 512GB + 500GB Western Digital WD5000AAKS-2 + 3001GB Seagate ST3000DM001-1CH1 + 3001GB Seagate ST3000DM001-1ER1 + 31GB Ultra Fit, Graphics: Gigabyte NVIDIA GeForce GTX 1660 SUPER, Audio: Realtek ALC1220, Monitor: S24D300, Network: Intel

OS: Clear Linux OS 33970, Kernel: 5.9.9-1001.native (x86_64), Desktop: GNOME Shell 3.38.1, Display Server: X Server 1.20.9, Display Driver: NVIDIA 455.45.01, OpenGL: 4.6.0, Vulkan: 1.2.142, Compiler: GCC 10.2.1 20201118 releases/gcc-10.2.0-532-g82fbb61820 + Clang 10.0.1 + LLVM 10.0.1, File-System: ext4, Screen Resolution: 1920x1080

Environment Notes: FFLAGS="-march=native -O3 -DNDEBUG -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -fstack-protector --param=ssp-buffer-size=32 -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -Wl,-z -Wl,now -Wl,-z -Wl,relro -malign-data=abi

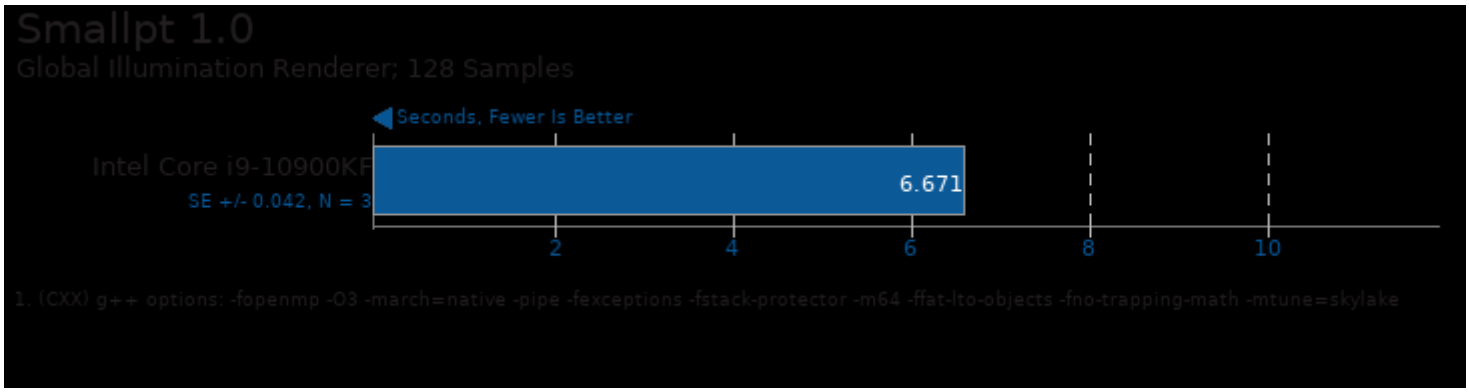
-fno-semantic-interposition -ftree-vectorize -ftree-loop-vectorize -Wl,--enable-new-dtags -Wa,-mbranches-within-32B-boundaries -I /usr/local/include" CXXFLAGS="-march=native -O3 -DNDEBUG -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -fstack-protector --param=ssp-buffer-size=32 -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -Wl,-z -Wl,now -Wl,-z -Wl,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -Wl,-sort-common -Wl,--enable-new-dtags -mtune=skylake -Wa,-mbranches-within-32B-boundaries -I /usr/local/include -fvisibility-inlines-hidden -Wl,--enable-new-dtags" FCFLAGS="-march=native -O3 -DNDEBUG-feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -fstack-protector --param=ssp-buffer-size=32 -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -Wl,-z -Wl,now -Wl,-z -Wl,relro -malign-data=abi -fno-semantic-interposition -ftree-vectorize -ftree-loop-vectorize -Wl,-sort-common -Wl,--enable-new-dtags" CFLAGS="-march=native -O3 -DNDEBUG -feliminate-unused-debug-types -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -fstack-protector --param=ssp-buffer-size=32 -Wformat -Wformat-security -m64 -fasynchronous-unwind-tables -Wp,-D_REENTRANT -ftree-loop-distribute-patterns -Wl,-z -Wl,now -Wl,-z -Wl,relro -fno-semantic-interposition -ffat-lto-objects -fno-trapping-math -Wl,-sort-common -Wl,--enable-new-dtags -mtune=skylake -Wa,-mbranches-within-32B-boundaries -I /usr/local/include" THEANO_FLAGS="floatX=float32,openmp=true,gcc.cxxflags="-ftree-vectorize -mavx""

Compiler Notes: --build=x86_64-generic-linux --disable-libmpx --disable-libunwind-exceptions --disable-multiarch --disable-vtable-verify --disable-werror --enable-__cxa_atexit --enable-bootstrap --enable-cet --enable-clocale=gnu --enable-default-pie --enable-gnu-indirect-function --enable-languages=c,c++,fortran,go --enable-ld=default --enable-libstdcxx-pch --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --exec-prefix=/usr --includedir=/usr/include --target=x86_64-generic-linux --with-arch=westmere --with-gcc-major-version-only --with-glibc-version=2.19 --with-gnu-ld --with-isl --with-ppl=yes --with-tune=haswell

Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0xe0

Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Vulnerable + spectre_v1: Vulnerable: __user pointer sanitization and usercopy barriers only; no swapgs barriers + spectre_v2: Vulnerable IBPB: disabled STIBP: disabled + srbds: Not affected + tsx_async_abort: Not affected

	Intel Core i9-10900KF
Smallpt - G.I.R.1.S (sec)	**6.578**
Normalized	99.92%
Standard Deviation	0.7%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 10:23.