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AMD Ryzen 9 5900X 12-Core testing with a Gigabyte X570 AORUS PRO (F34 BIOS) and Gigabyte NVIDIA GeForce RTX 3060 Ti 8GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

initial test

Processor: AMD Ryzen 9 5900X 12-Core @ 3.70GHz (12 Cores / 24 Threads), Motherboard: Gigabyte X570 AORUS PRO (F34 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 1000GB Samsung SSD 980 PRO 1TB, Graphics: Gigabyte NVIDIA GeForce RTX 3060 Ti 8GB, Audio: NVIDIA Device 228b, Monitor: LG ULTRAGEAR, Network: Intel I211

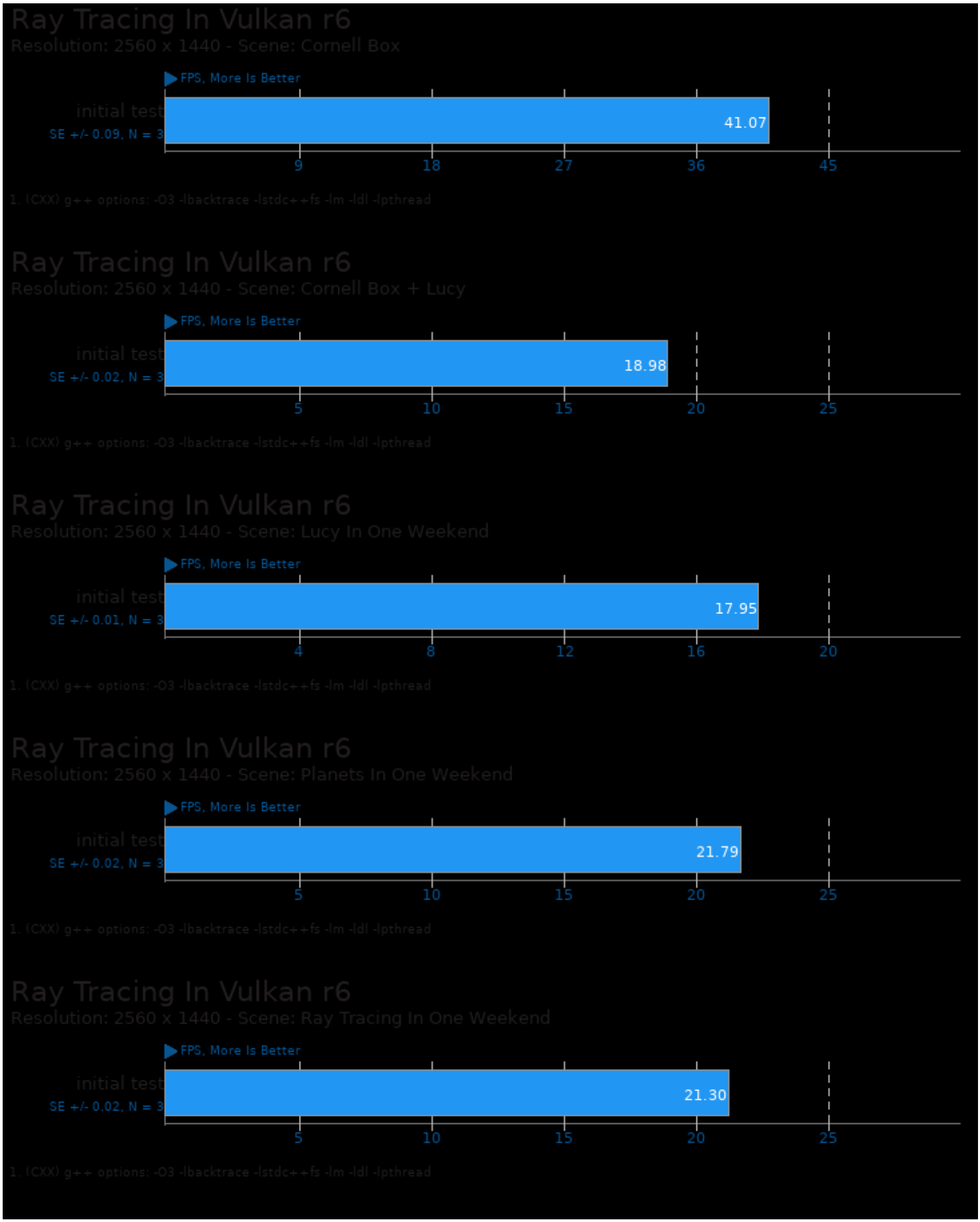
OS: Ubuntu 20.04, Kernel: 5.4.0-84-generic (x86_64), Desktop: Budgie, Display Server: X Server 1.20.11, Display Driver: NVIDIA 470.57.02, OpenGL: 4.6.0, Vulkan: 1.2.175, Compiler: GCC 9.3.0 + CUDA 11.4, File-System: ext4 (ecryptfs), Screen Resolution: 2560x1440

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

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--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-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: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa201016
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: 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 Full AMD retpoline IBPB: conditional IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	initial test
Ray Tracing In Vulkan - 2560 x 1440 - Cornell Box (FPS)	41.0732
Standard Deviation	0.4%
Ray Tracing In Vulkan - 2560 x 1440 - Cornell Box + Lucy (FPS)	18.9797
Standard Deviation	0.2%
Ray Tracing In Vulkan - 2560 x 1440 - L.I.O.W (FPS)	17.9472
Standard Deviation	0.1%
Ray Tracing In Vulkan - 2560 x 1440 - P.I.O.W (FPS)	21.7859
Standard Deviation	0.2%
Ray Tracing In Vulkan - 2560 x 1440 - R.T.I.O.W (FPS)	21.3026
Standard Deviation	0.2%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024

08:27.