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cpubenchmark

AMD Ryzen 9 5950X 16-Core testing with a MSI MAG X570 TOMAHAWK WIFI (MS-7C84) v1.0 (1.50 BIOS) and MSI NVIDIA GeForce GTX 970 4GB on Pop 20.04 via the Phoronix Test Suite.

Test Systems:

run_1

Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: MSI MAG X570 TOMAHAWK WIFI (MS-7C84) v1.0 (1.50 BIOS), Chipset: AMD Starship/Matisse, Memory: 64GB, Disk: 2000GB Samsung SSD 980 PRO 2TB + 1000GB Western Digital WDS100T2B0A + 1000GB Samsung SSD 860, Graphics: MSI NVIDIA GeForce GTX 970 4GB, Audio: NVIDIA GM204 HD Audio, Monitor: LG Ultra HD, Network: Realtek RTL8125 2.5GbE + Intel Wi-Fi 6 AX200

OS: Pop 20.04, Kernel: 5.13.0-7614-generic (x86_64), Desktop: GNOME Shell 3.36.7, Display Server: X Server 1.20.11, Display Driver: NVIDIA 470.63.01, OpenGL: 4.6.0, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 3840x2160

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,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: 0xa201009
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

ffmpeg_1

linux_comp

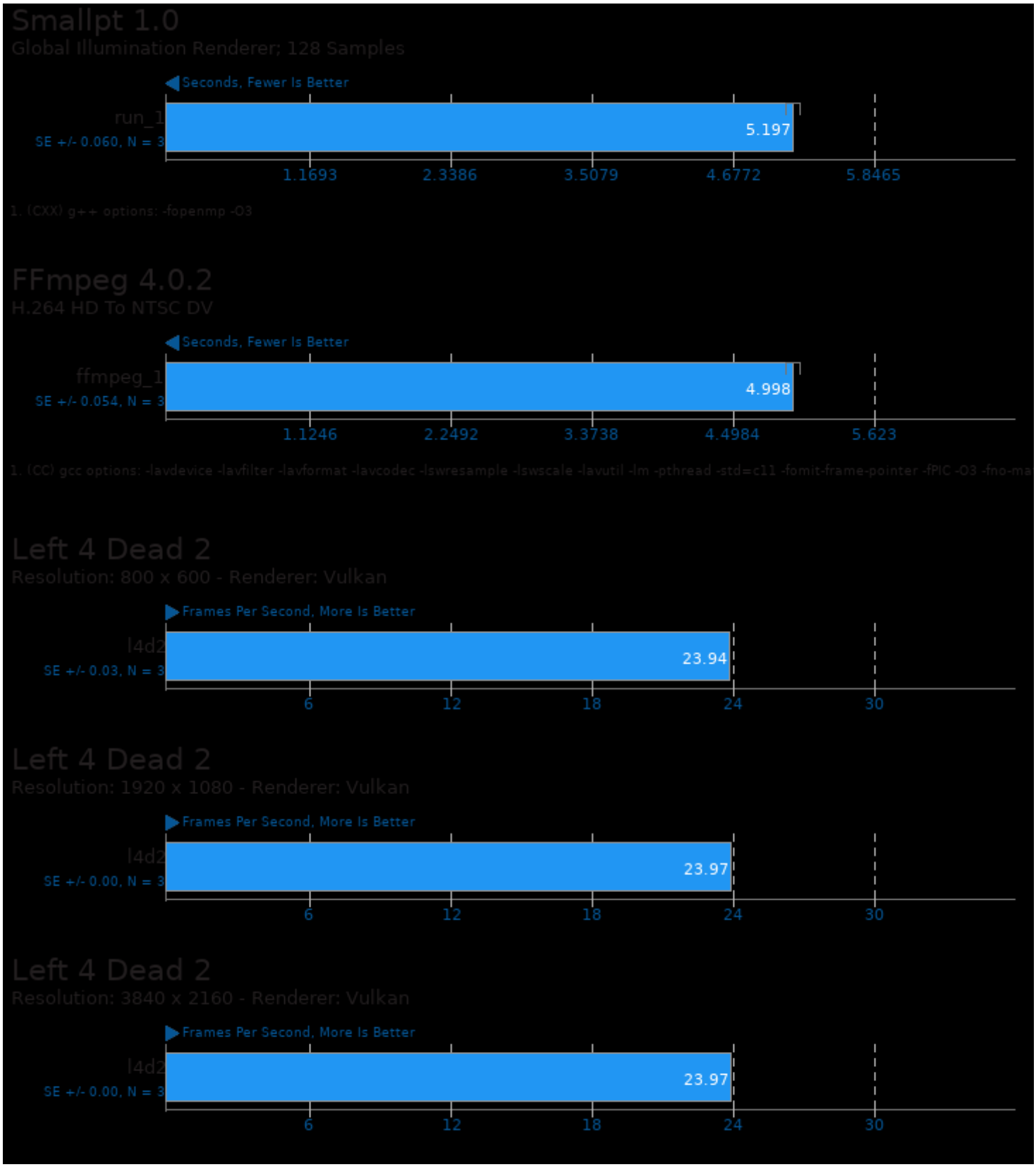
l4d2

Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: MSI MAG X570 TOMAHAWK WIFI (MS-7C84) v1.0 (1.50 BIOS), Chipset: AMD Starship/Matisse, Memory: 64GB, Disk: 2000GB Samsung SSD 980 PRO 2TB + 1000GB Western Digital WDS100T2B0A + 1000GB Samsung SSD 860, Graphics: MSI NVIDIA GeForce GTX 970 4GB, Audio: NVIDIA GM204 HD Audio, Monitor: LG Ultra HD, Network: Realtek RTL8125 2.5GbE + Intel Wi-Fi 6 AX200

OS: Pop 20.04, Kernel: 5.13.0-7614-generic (x86_64), Desktop: GNOME Shell 3.36.7, Display Server: X Server 1.20.11, Display Driver: NVIDIA 470.63.01, OpenGL: 4.6.0, Vulkan: 1.2.175, Compiler: GCC 9.3.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa201009
Graphics Notes: BAR1 / Visible vRAM Size: 256 MiB
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

	run_1	ffmpeg_1	linux_comp	l4d2
Smallpt - G.I.R.1.S (sec)	5.197			
Standard Deviation	2%			
FFmpeg - H.2.H.T.N.D (sec)		4.998		
Standard Deviation		1.9%		
Left 4 Dead 2 - 800 x 600 - Vulkan				23.94
Standard Deviation				0.2%
Left 4 Dead 2 - 1920 x 1080 - Vulkan (FPS)				23.97
Standard Deviation				0%
Left 4 Dead 2 - 3840 x 2160 - Vulkan (FPS)				23.97
Standard Deviation				0%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 09:06.