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2104298-dwag-amdryze06

AMD Ryzen 5 3600 6-Core testing with a ASUS PRIME B350M-A (5603 BIOS) and Sapphire AMD Radeon RX 590 8GB on Fedora 34 via the Phoronix Test Suite.

Test Systems:

Sapphire AMD Radeon RX 470

Processor: AMD Ryzen 5 3600 6-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASUS PRIME B350M-A (5603 BIOS), Chipset: AMD Starship/Matisse, Memory: 32768MB, Disk: Samsung SSD 960 EVO 500GB + 2000GB Samsung SSD 860, Graphics: Sapphire AMD Radeon RX 470/480/570/570X/580/580X/590 8GB (1560/2100MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: PHL 276E8V, Network: Realtek RTL8111/8168/8411

OS: Fedora 34, Kernel: 5.15.13-100.fc34.x86_64 (x86_64), Desktop: GNOME Shell 40.7, Display Server: X Server 1.19.6 + Wayland, Display Driver: modesetting 1.19.6, OpenGL: 4.6 Mesa 21.1.8 (LLVM 12.0.1), OpenCL: OpenCL 1.2 LINUX + OpenCL 2.1 AMD-APP (3224.4) + OpenCL 2.0 pocl 1.7 RelWithDebInfo LLVM 12.0.0 RELOC SLEEF DISTRO POCL_DEBUG, Vulkan: 1.2.168, Compiler: Clang 12.0.1, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: amdgpu.runpm=0
Processor Notes: Scaling Governor: acpi-cpufreq performance
Graphics Oc Notes: AMD OverDrive GPU Overclock: 1%
Security Notes: SELinux + 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 STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

AMD Ryzen 5 3600 6-Core

Processor: AMD Ryzen 5 3600 6-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASUS PRIME B350M-A (5603 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: Samsung SSD 960 EVO 500GB + 2000GB Samsung SSD 860, Graphics: Sapphire AMD Radeon RX 590 8GB (1560/2100MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: PHL 276E8V, Network: Realtek RTL8111/8168/8411

OS: Fedora 34, Kernel: 5.16.9-100.fc34.x86_64 (x86_64), Desktop: GNOME Shell 40.8, Display Server: X Server 1.19.6 + Wayland, OpenGL: 4.6 Mesa 21.1.8 (LLVM 12.0.1), OpenCL: OpenCL 1.2 LINUX + OpenCL 2.1 AMD-APP (3224.4) + OpenCL 2.0 pocl 1.7 RelWithDebInfo LLVM 12.0.0 RELOC SLEEF DISTRO POCL_DEBUG, Vulkan: 1.2.168, Compiler: Clang 12.0.1, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: amdgpu.runpm=0 - Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-redhat-linux --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-cet --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,objc,obj-c++,ada,go,d,lto --enable-multilib --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=i686 --with-gcc-major-version-only --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x8701021
Security Notes: SELinux + itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

Sapphire AMD Radeon RX 590

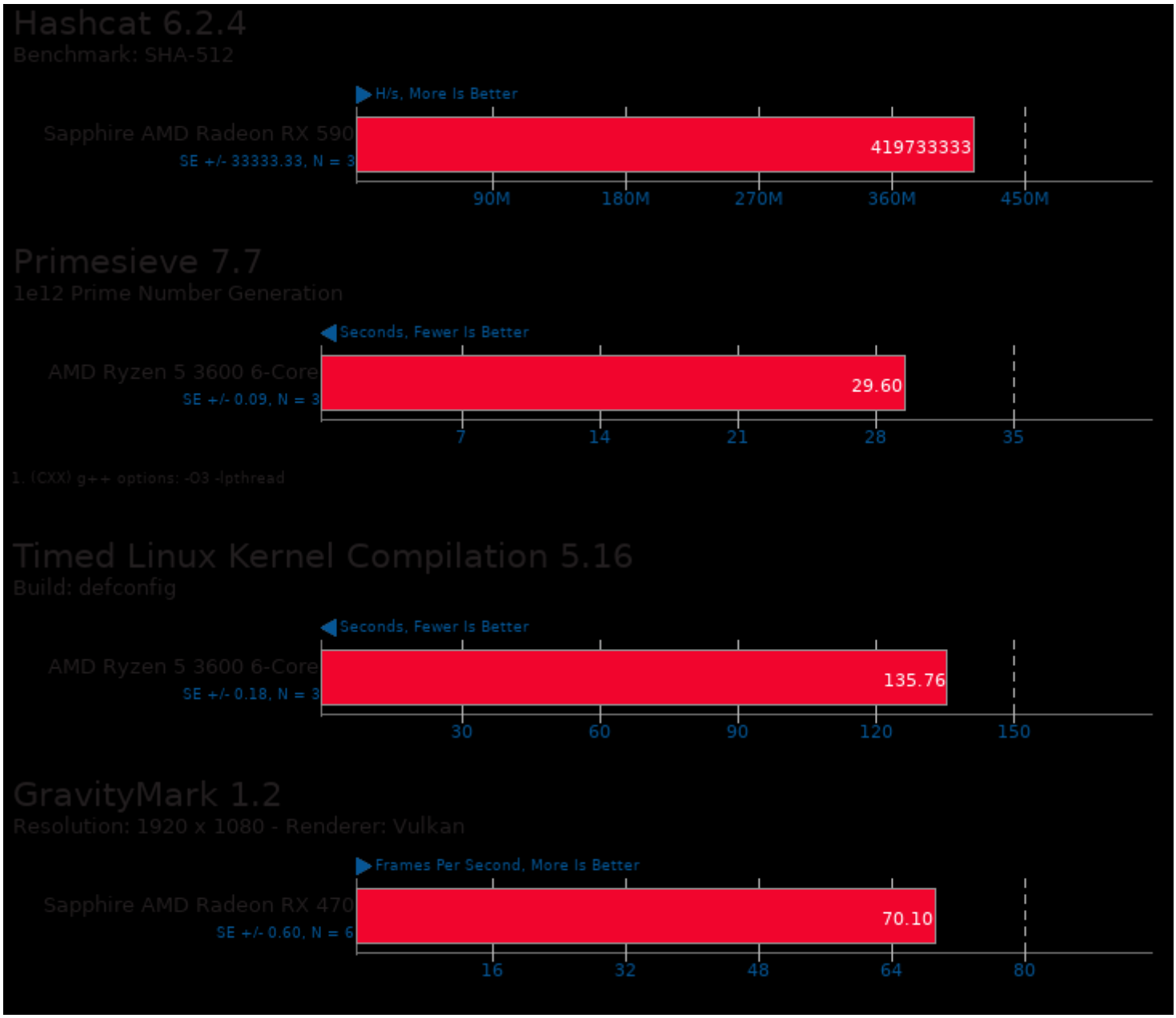
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OS: Fedora 34, Kernel: 5.16.16-100.fc34.x86_64 (x86_64), Desktop: GNOME Shell 40.9, Display Server: X Server 1.19.6 + Wayland, OpenGL: 4.6 Mesa 21.1.8 (LLVM 12.0.1), OpenCL: OpenCL 1.2 LINUX + OpenCL 2.1 AMD-APP (3224.4) + OpenCL 2.0 pocl 1.7 RelWithDebInfo LLVM 12.0.0 RELOC SLEEF DISTRO POCL_DEBUG, Vulkan: 1.2.168, Compiler: Clang 12.0.1, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: amdgpu.runpm=0 - Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq performance (Boost: Enabled) - CPU Microcode: 0x8701021
Graphics Notes: BAR1 / Visible vRAM Size: 256 MB
Graphics Oc Notes: AMD OverDrive GPU Overclock: 1%
Security Notes: SELinux + itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Sapphire AMD Radeon RX 470	AMD Ryzen 5 3600 6-Core	Sapphire AMD Radeon RX 590
Hashcat - SHA-512 (H/s)			419733333
Standard Deviation			0%
Primesieve - 1.P.N.G (sec)		29.603	

	Standard Deviation	0.5%
Timed Linux Kernel Compilation - defconfig (sec)		135.758
	Standard Deviation	0.2%
GravityMark - 1920 x 1080 - Vulkan (FPS)	70.10	
	Standard Deviation	2.1%



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 22:35.