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guybrush-lower-fma

AMD Ryzen 5 5625C testing with a Google Dewatt (Google_Dewatt.14500.185.0 BIOS) and amdgpudrmfb on Debian via the Phoronix Test Suite.

Test Systems:

with-fma-lowered

Processor: AMD Ryzen 5 5625C (12 Cores), Motherboard: ChromiumOS crosvm, Chipset: Intel 440FX 82441FX PMC, Memory: 16GB, Disk: 800GB, Graphics: virgl 256GB, Monitor: 16 x CrosvmDisplay

OS: Arch rolling, Kernel: 5.15.75-14267-gbbfb5c8ea89b (x86_64), OpenGL: 4.5 Mesa 23.0.0-devel (git-54517a7a51) (LLVM 12.0.1 DRM 3.42 5.10.153-20414-g4...), Vulkan: 1.3.211, Compiler: GCC 12.2.0 + LLVM 14.0.6, File-System: btrfs, Screen Resolution: 1920x1080, System Layer: docker

Kernel Notes: Transparent Huge Pages: madvise
Environment Notes: MESA_REPO=git@gitlab.freedesktop.org:gerddie/mesa.git MESA_BRANCH=main LIBGL_DRIVERS_PATH=/home/chronos/mesa/install/lib/dri:/home/chronos/mesa/install/lib32/dri: MESA_SOURCE_PREFIX=/home/chronos/mesa
Processor Notes: CPU Microcode: 0x1000065
Python Notes: Python 3.10.8

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: disabled RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

host-debian-testing

Processor: AMD Ryzen 5 5625C @ 2.30GHz (6 Cores / 12 Threads), Motherboard: Google Dewatt (Google_Dewatt.14500.185.0 BIOS), Memory: 16GB, Disk: 125GB BAYHUB SanDisk-DA4128-91904055-128GB + 2000GB My Passport 2626 + 988GB SanDisk 3.2Gen1, Graphics: amdgpudrmfb (1800/400MHz)

OS: Debian, Kernel: 6.0.7 (x86_64), Desktop: Xfce 4.16, Display Server: X Server 1.21.1.4, OpenGL: 4.6 Mesa 22.2.0 (LLVM 14.0.6 DRM 3.48), Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa50000c
Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 64 MB - vBIOS Version: 113-CEZANNE-018
Python Notes: Python 3.10.8
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 + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional IBRS_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

debian-testing-no-vm

Processor: AMD Ryzen 5 5625C @ 2.30GHz (6 Cores / 12 Threads), Motherboard: Google Dewatt (Google_Dewatt.14500.185.0 BIOS), Memory: 16GB, Disk: 125GB BAYHUB SanDisk-DA4128-91904055-128GB + 2000GB My Passport 2626 + 988GB SanDisk 3.2Gen1, Graphics: amdgpudrmfb (1800/400MHz)

OS: Debian, Kernel: 6.0.7 (x86_64), Desktop: Xfce 4.16, Display Server: X Server 1.21.1.4, OpenGL: 4.6 Mesa 22.2.0 (LLVM 14.0.6 DRM 3.48), Vulkan: 1.3.224, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 1920x1080

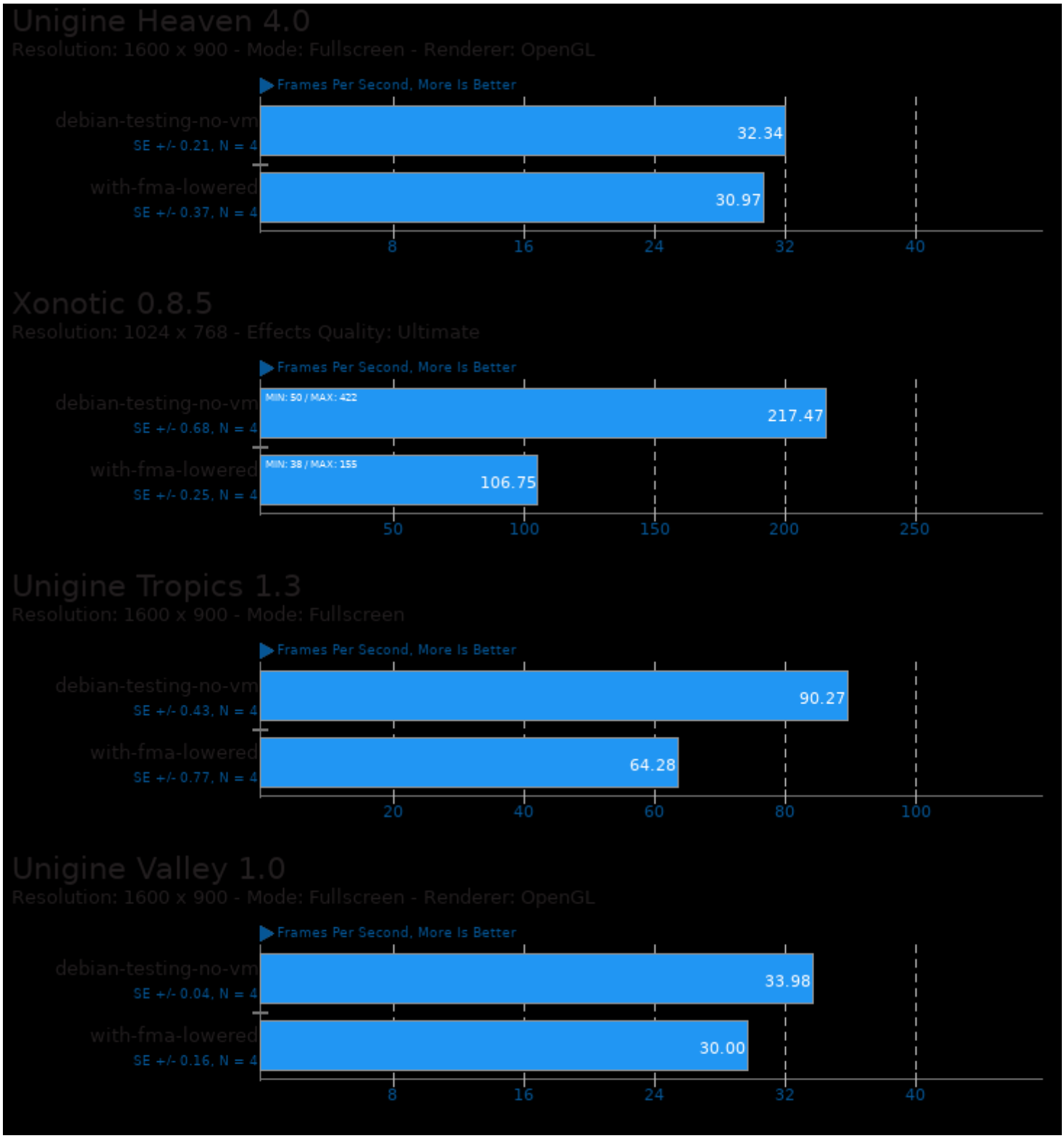
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0xa50000c
Graphics Notes: GLAMOR - BAR1 / Visible vRAM Size: 64 MB - vBIOS Version: 113-CEZANNE-018
Python Notes: Python 3.10.8
Security Notes: itlb_multihit: Not affected + 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 + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional IBRS_FW STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	with-fma-lowered	host-debian-testing	debian-testing-no-vm
Unigine Heaven - 1600 x 900 - Fullscreen - OpenGL (FPS)	**30.9658**		**32.3434**
Normalized	95.74%		100%
Standard Deviation	2.4%		1.3%
Xonotic - 1024 x 768 - Ultimate (FPS)	**106.7468985**		**217.4654841**
Normalized	49.09%		100%
Standard Deviation	0.5%		0.6%
Unigine Tropics - 1600 x 900 - Fullscreen	**64.2810**		**90.2747**
Normalized	71.21%		100%
Standard Deviation	2.4%		1%
Unigine Valley - 1600 x 900 - Fullscreen - OpenGL (FPS)	**29.9956**		**33.9815**
Normalized	88.27%		100%
Standard Deviation	1.1%		0.2%

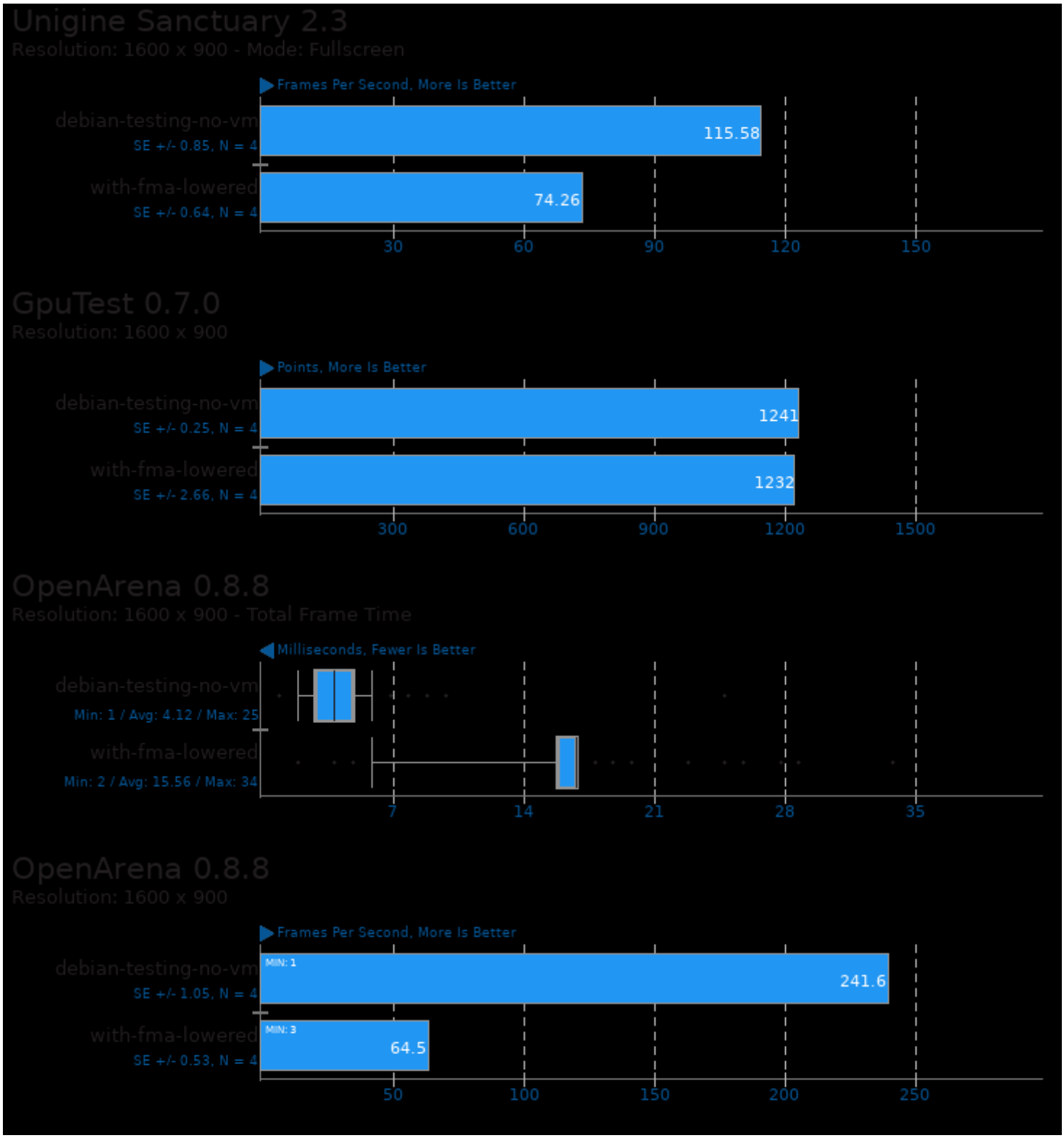
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Unigine Sanctuary - 1600 x 900 - Fullscreen (FPS)	**74.2621**	**115.581**
Normalized	64.25%	100%
Standard Deviation	1.7%	1.5%
GpuTest - 1600 x 900 (Points)	**1232**	**1241**
Normalized	99.27%	100%
Standard Deviation	0.4%	0%
OpenArena - 1600 x 900 (FPS)	**64.5**	**241.6**
Normalized	26.7%	100%
Standard Deviation	1.6%	0.9%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 08:45.