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placebo 6400

AMD Ryzen 9 7900X 12-Core testing with a ASRock X670E PG Lightning (1.11 BIOS) and XFX AMD Radeon RX 6400 4GB on Ubuntu 22.10 via the Phoronix Test Suite.

Test Systems:

a

b

c

d

Processor: AMD Ryzen 9 7900X 12-Core @ 5.73GHz (12 Cores / 24 Threads), Motherboard: ASRock X670E PG Lightning (1.11 BIOS), Chipset: AMD Device 14d8, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0, Graphics: XFX AMD Radeon RX 6400 4GB (2320/1000MHz), Audio: AMD Navi 21/23, Monitor: ASUS MG28U, Network: Realtek RTL8125 2.5GbE

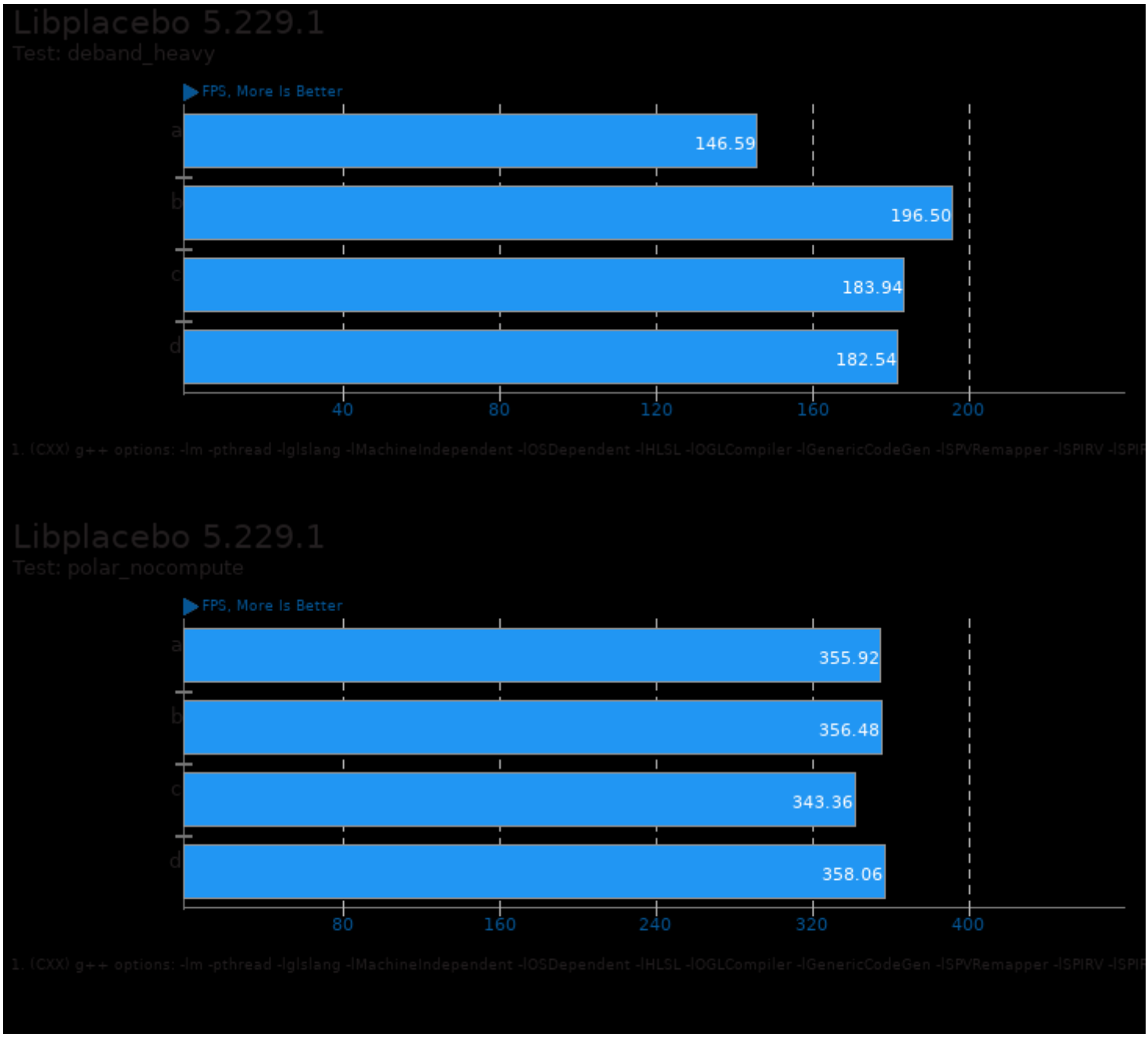
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OS: Ubuntu 22.10, Kernel: 5.19.0-23-generic (x86_64), Desktop: GNOME Shell 43.0, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 22.2.1 (LLVM 15.0.2 DRM 3.47), Vulkan: 1.3.224, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 3840x2160

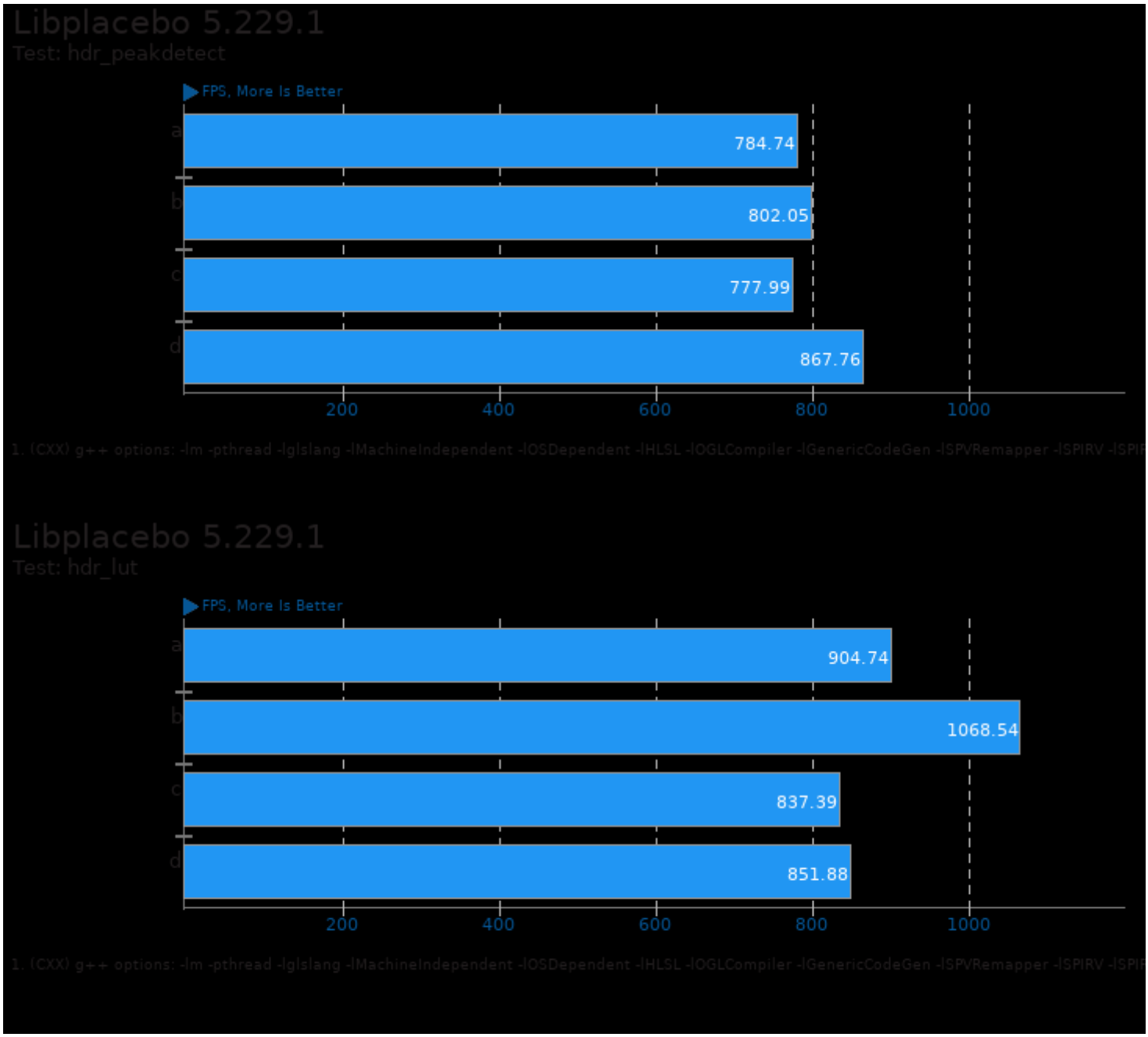
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-defaulted --enable-offload-targets=nvptx-none=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-gcn/usr --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: amd-pstate schedutil (Boost: Enabled) - CPU Microcode: 0xa601203
Graphics Notes: BAR1 / Visible vRAM Size: 4080 MB - vBIOS Version: 113-1NAVI24XL210915
Python Notes: Python 3.10.7
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

	a	b	c	d
Libplacebo - deband_heavy (FPS)	**146.59**	**196.5**	183.94	182.54
Normalized	74.6%	100%	93.61%	92.9%
Libplacebo - polar_nocompute (FPS)	355.92	356.48	**343.36**	**358.06**
Normalized	99.4%	99.56%	95.89%	100%
Libplacebo - hdr_peakdetect (FPS)	784.74	802.05	**777.99**	**867.76**
Normalized	90.43%	92.43%	89.65%	100%
Libplacebo - hdr_lut (FPS)	904.74	**1069**	**837.39**	851.88
Normalized	84.67%	100%	78.37%	79.72%
Libplacebo - av1_grain_lap (FPS)	734.46	**735.7**	734.68	**732.6**
Normalized	99.83%	100%	99.86%	99.58%

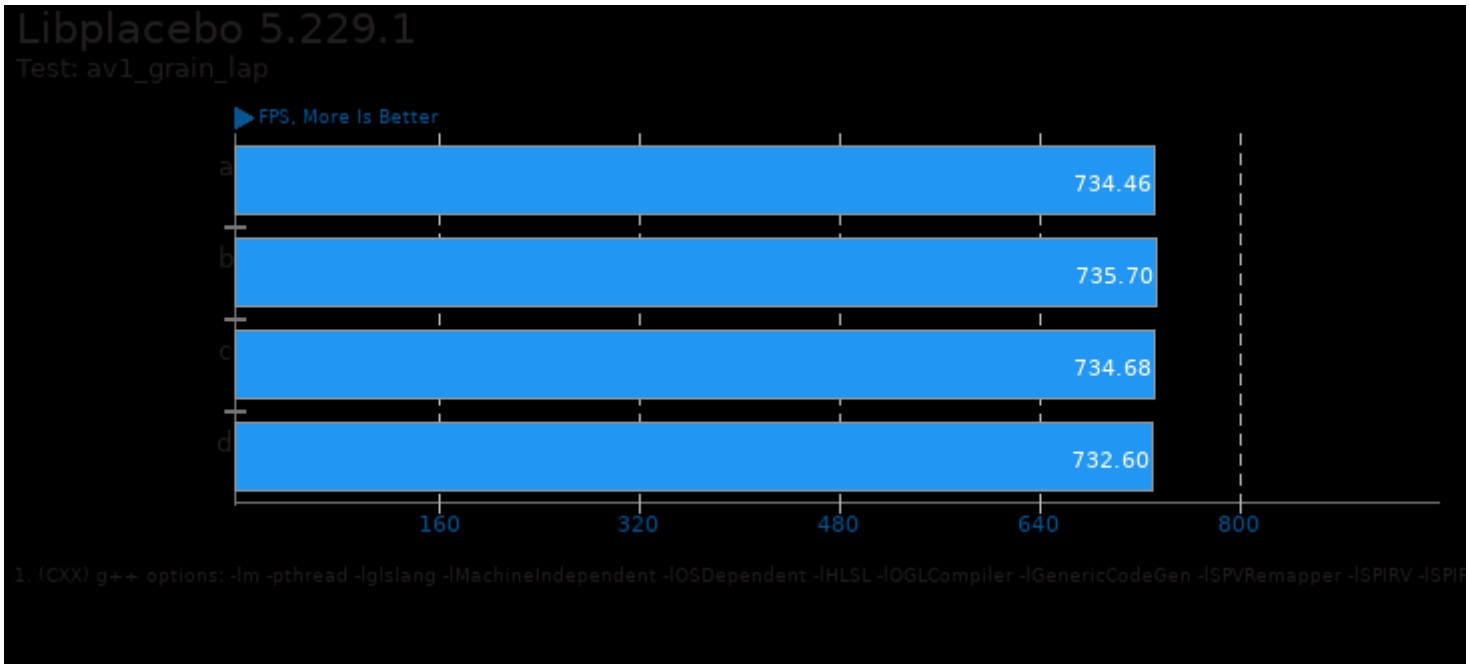
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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 02:10.