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AMD Ryzen 9 5950X 16-Core testing with a ASUS ROG CROSSHAIR VIII HERO (WI-FI) (3801 BIOS) and AMD Radeon RX 6700/6700 XT / 6800M 12GB on Ubuntu 21.10 via the Phoronix Test Suite.

Test Systems:

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Processor: AMD Ryzen 9 5950X 16-Core @ 3.40GHz (16 Cores / 32 Threads), Motherboard: ASUS ROG CROSSHAIR VIII HERO (WI-FI) (3801 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 1000GB Sabrent Rocket 4.0 Plus, Graphics: AMD Radeon RX 6700/6700 XT / 6800M 12GB (2855/1000MHz), Audio: AMD Device ab28, Monitor: ASUS MG28U, Network: Realtek RTL8125 2.5GbE + Intel I211 + Intel Wi-Fi 6 AX200

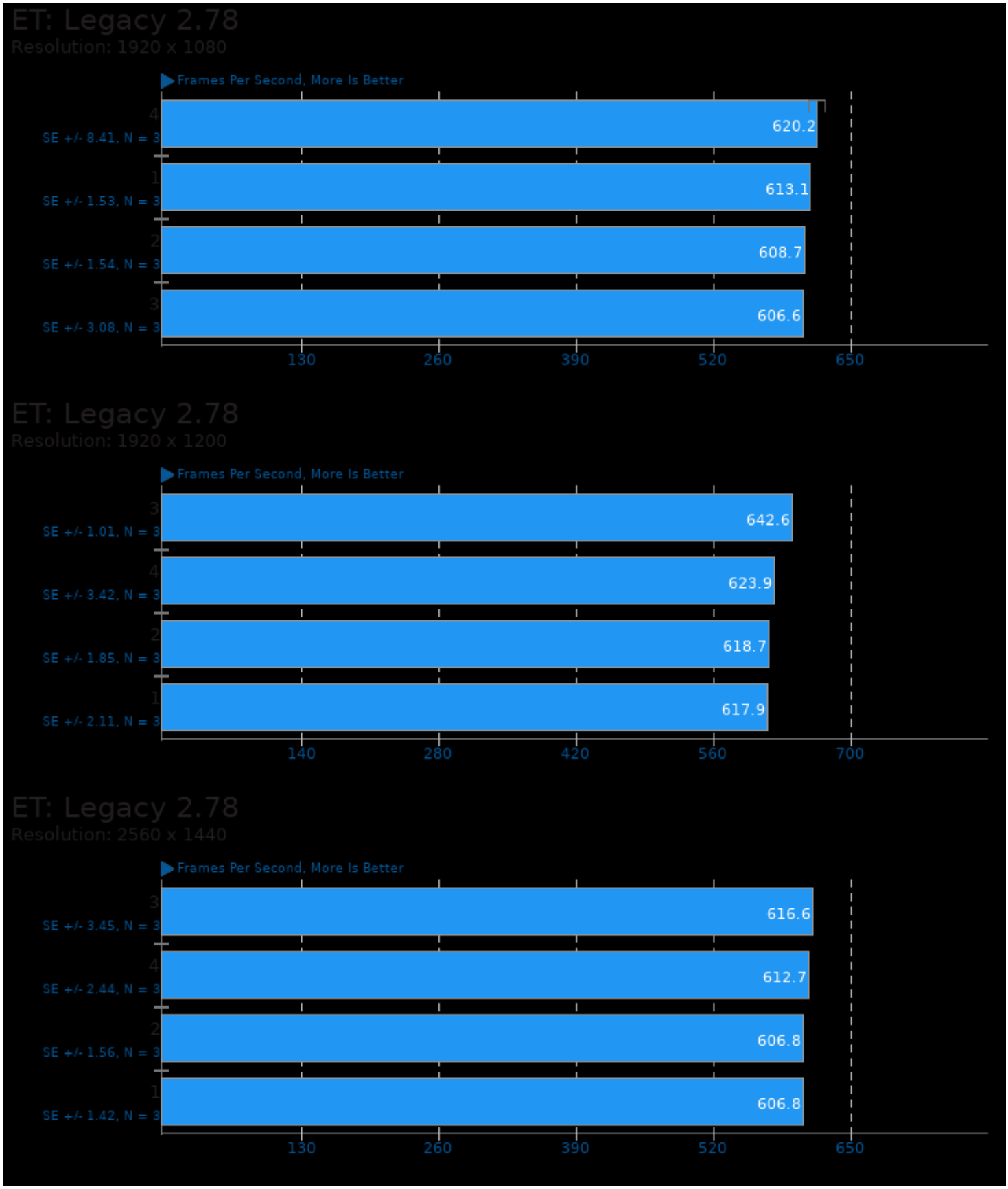
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OS: Ubuntu 21.10, Kernel: 5.15.0-rc2-3reverts (x86_64) 20210922, Desktop: GNOME Shell 40.2, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.1.4 (LLVM 12.0.1), Vulkan: 1.2.168, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

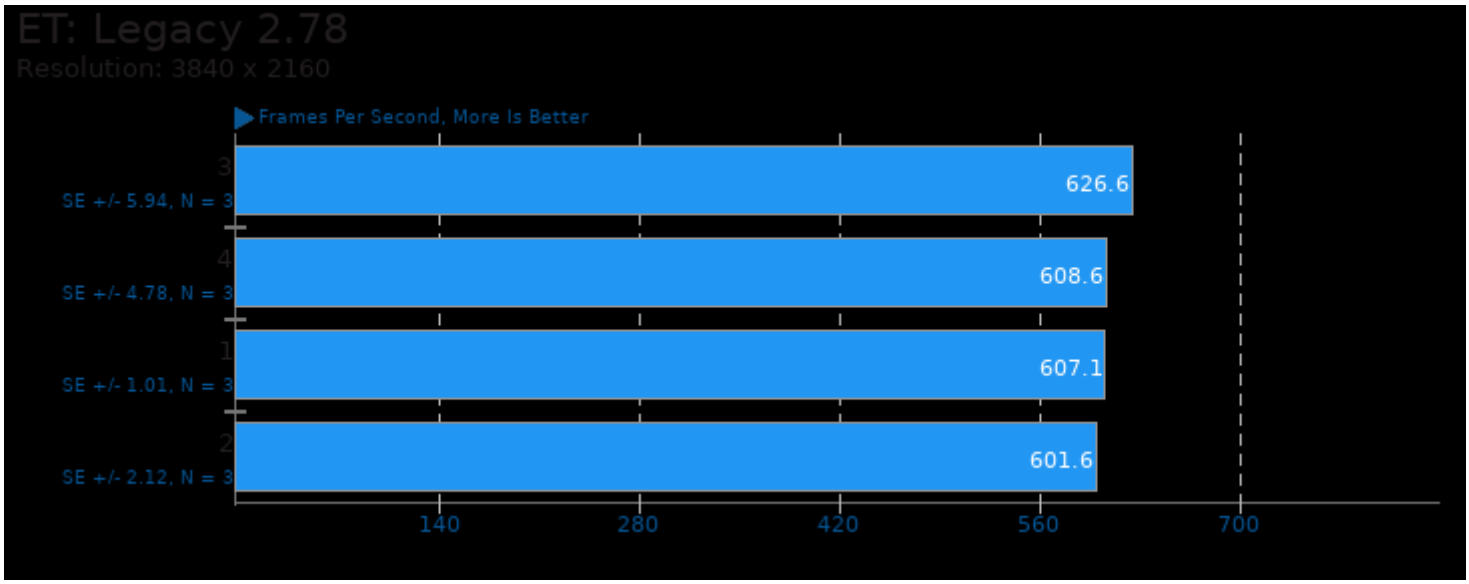
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0xa201016
Graphics Notes: BAR1 / Visible vRAM Size: 256 MB
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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

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ET: Legacy - 1920 x 1080 (FPS)	613.1	608.7	**606.6**	**620.2**
Normalized	98.86%	98.15%	97.81%	100%
Standard Deviation	0.4%	0.4%	0.9%	2.3%
ET: Legacy - 1920 x 1200 (FPS)	**617.9**	618.7	**642.6**	623.9
Normalized	96.16%	96.28%	100%	97.09%
Standard Deviation	0.6%	0.5%	0.3%	0.9%
ET: Legacy - 2560 x 1440 (FPS)	**606.8**	**606.8**	**616.6**	612.7
Normalized	98.41%	98.41%	100%	99.37%
Standard Deviation	0.4%	0.4%	1%	0.7%
ET: Legacy - 3840 x 2160 (FPS)	607.1	**601.6**	**626.6**	608.6
Normalized	96.89%	96.01%	100%	97.13%
Standard Deviation	0.3%	0.6%	1.6%	1.4%

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 23:19.