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specviewperf2020-xeon-rtx3050-20220322

Intel Xeon W-1290P testing with a LENOVO 1048 (S08KT4AA BIOS) and ASUS NVIDIA GeForce RTX 3050 8GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

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Processor: Intel Xeon W-1290P @ 5.30GHz (10 Cores / 20 Threads), Motherboard: LENOVO 1048 (S08KT4AA BIOS), Chipset: Intel Comet Lake PCH, Memory: 64GB, Disk: 1024GB SAMSUNG MZVL21T0HCLR-00BL7 + 18000GB Seagate ST18000NM000J-2T, Graphics: ASUS NVIDIA GeForce RTX 3050 8GB, Audio: Realtek ALC623, Monitor: LG ULTRAGEAR, Network: Intel

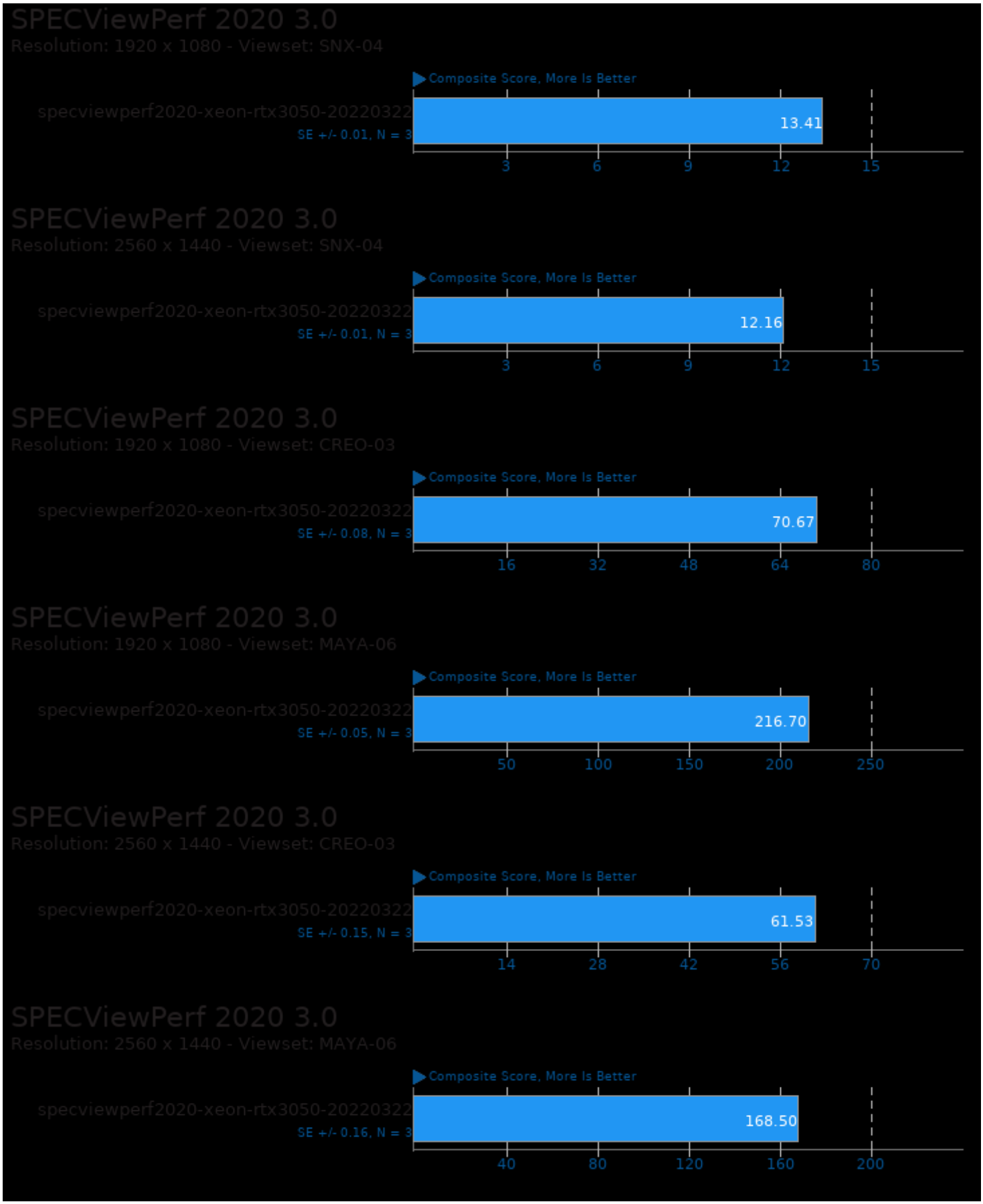
OS: Ubuntu 20.04, Kernel: 5.14.0-1027-oem (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.13, Display Driver: NVIDIA 510.47.03, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.6.99, Vulkan: 1.2.182, Compiler: GCC 10.3.0 + Clang 12.0.0-3ubuntu1~20.04.5 + CUDA 10.1, File-System: ext4, Screen Resolution: 2560x1440

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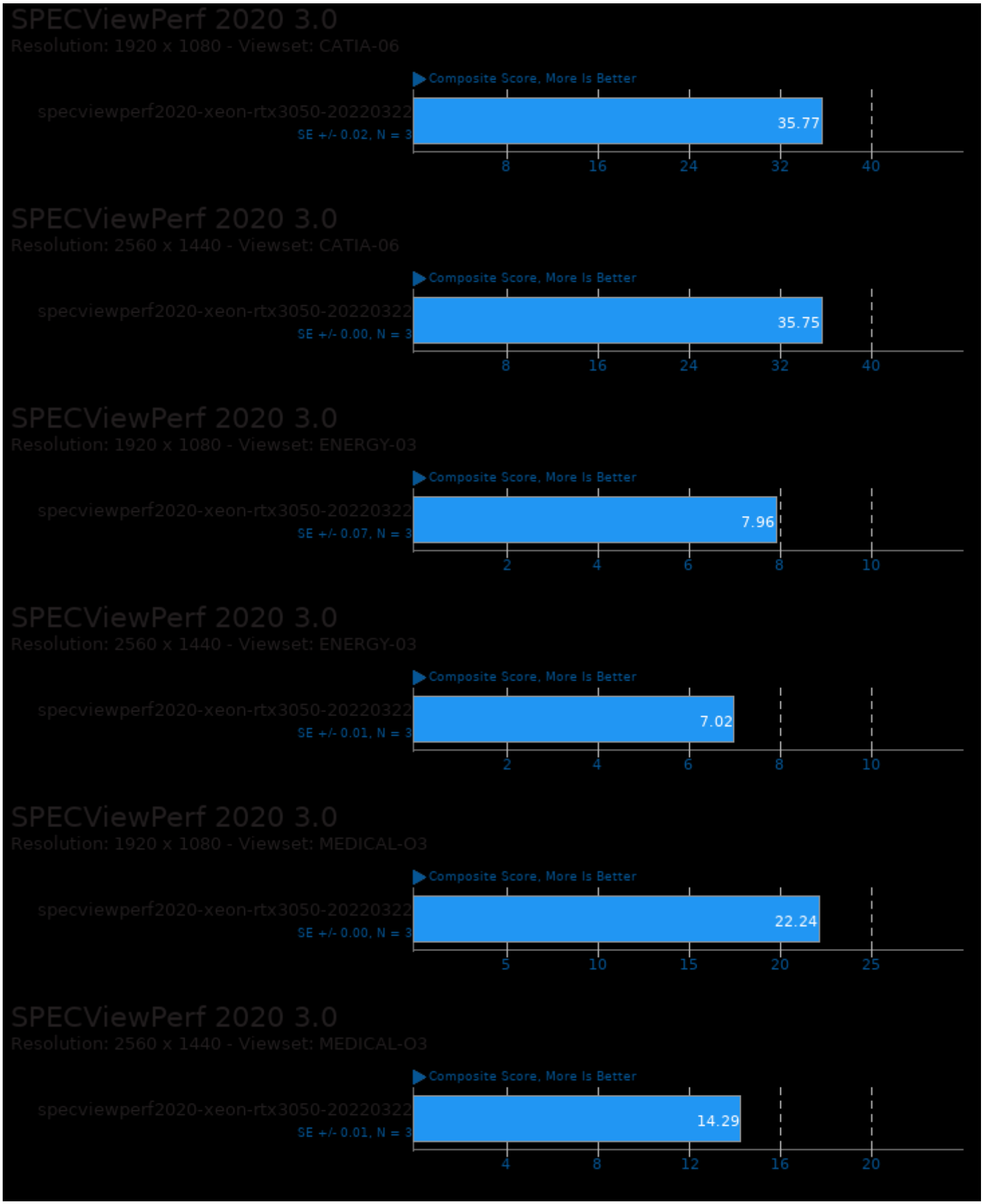
Kernel Notes: Transparent Huge Pages: madvise
Environment Notes: CXXFLAGS="-march=native -O3 -pipe" LDFLAGS="-Wl,-O2 -Wl,--as-needed" CFLAGS="-march=native -O3 -pipe"
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0xec - Thermald 1.9.1
Graphics Notes: BAR1 / Visible vRAM Size: 256 MiB
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + 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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

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SPECViewPerf 2020 - 1920 x 1080 - SNX-04 (Composite Score)	13.41
Standard Deviation	0.1%
SPECViewPerf 2020 - 2560 x 1440 - SNX-04 (Composite Score)	12.16
Standard Deviation	0.1%
SPECViewPerf 2020 - 1920 x 1080 - CREO-03 (Composite Score)	70.67
Standard Deviation	0.2%
SPECViewPerf 2020 - 1920 x 1080 - MAYA-06 (Composite Score)	216.70
Standard Deviation	0%
SPECViewPerf 2020 - 2560 x 1440 - CREO-03 (Composite Score)	61.53
Standard Deviation	0.4%
SPECViewPerf 2020 - 2560 x 1440 - MAYA-06 (Composite Score)	168.50
Standard Deviation	0.2%
SPECViewPerf 2020 - 1920 x 1080 - CATIA-06 (Composite Score)	35.77
Standard Deviation	0.1%
SPECViewPerf 2020 - 2560 x 1440 - CATIA-06 (Composite Score)	35.75
Standard Deviation	0%
SPECViewPerf 2020 - 1920 x 1080 - ENERGY-03 (Composite Score)	7.96
Standard Deviation	1.6%
SPECViewPerf 2020 - 2560 x 1440 - ENERGY-03 (Composite Score)	7.02
Standard Deviation	0.2%
SPECViewPerf 2020 - 1920 x 1080 - MEDICAL-O3 (Composite	22.24
Standard Deviation	0%
SPECViewPerf 2020 - 2560 x 1440 - MEDICAL-O3 (Composite	14.29
Standard Deviation	0.2%
SPECViewPerf 2020 - 1920 x 1080 - SOLIDWORKS-07 (Composite Score)	130.45
Standard Deviation	0.7%
SPECViewPerf 2020 - 2560 x 1440 - SOLIDWORKS-07 (Composite Score)	126.92
Standard Deviation	0.8%

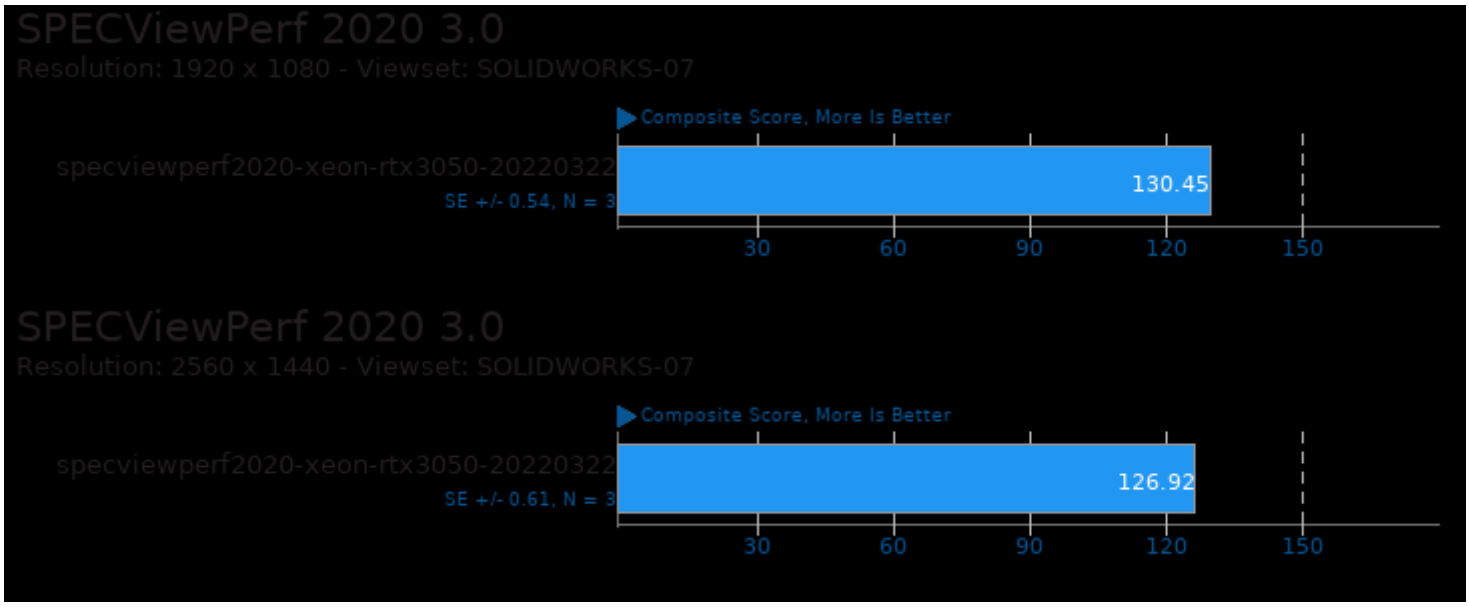
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