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Worker01OnJava

2 x Intel Xeon X5650 testing with a IBM 69Y4438 (-[D6E164AUS-1.22] BIOS) and Matrox MGA G200EV on CentOS Linux 7 via the Phoronix Test Suite.

Automated Executive Summary

SpectreOff had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (SpectreOff) was 1.101x the speed of the slowest (2 x Intel Xeon X5650). Second Run was 0.983x the speed of SpectreOff and 2 x Intel Xeon X5650 was 0.924x the speed of Second Run.

Test Systems:

2 x Intel Xeon X5650

Second Run

SpectreOff

Processor: 2 x Intel Xeon X5650 @ 2.66GHz (12 Cores / 24 Threads), Motherboard: IBM 69Y4438 (-[D6E164AUS-1.22] BIOS), Chipset: Intel 5520 I/O + ICH10, Memory: 8 x 8192 MB 800MT/s Samsung M393B1K70DH0-CK0, Disk: 1020GB ServeRAID M5015, Graphics: Matrox MGA G200EV, Monitor: W2442, Network: 4 x Broadcom NetXtreme II BCM5709

OS: CentOS Linux 7, Kernel: 3.10.0-957.12.2.el7.x86_64 (x86_64), Compiler: GCC 4.8.5 20150623, File-System: xfs, Screen Resolution: 1280x1024

Processor Notes: Scaling Governor: acpi-cpufreq conservative
Java Notes: OpenJDK Runtime Environment (build 1.8.0_212-b04)
Security Notes: Load fences __user pointer sanitization + PTE Inversion; VMX: vulnerable

	2 x Intel Xeon X5650	Second Run	SpectreOff
Java SciMark - FFT Performance (Mflops)	574	**572**	**576**
Normalized	99.65%	99.31%	100%
Standard Deviation	2.3%	2.5%	0.4%
Java SciMark - SOR Performance (Mflops)	971	971	971
Standard Deviation	0%	0%	0%
Java SciMark - C.P (Mflops)	1157	**1156**	**1173**
Normalized	98.64%	98.55%	100%
Standard Deviation	0.3%	0.3%	0.1%
Java SciMark - M.C.P (Mflops)	**541**	**541**	**543**
Normalized	99.63%	99.63%	100%
Standard Deviation	0.6%	0.5%	1.1%
Bork File Encrypter - F.E.T (sec)	**15.44**	15.34	**14.30**
Normalized	92.62%	93.22%	100%
Standard Deviation	0.4%	0.1%	2.6%
Java Gradle Build - Reactor (sec)	**31.66**	30.82	**28.72**
Normalized	90.71%	93.19%	100%
Standard Deviation	12.7%	0.7%	25.9%
DaCapo Benchmark - H2 (msec)	**7565**	7540	**7317**
Normalized	96.72%	97.04%	100%
Standard Deviation	3.8%	2%	2.9%
DaCapo Benchmark - Jython (msec)	**8871**	8639	**8542**
Normalized	96.29%	98.88%	100%
Standard Deviation	0.9%	0.5%	2%
DaCapo Benchmark - Eclipse (msec)	**34412**	33923	**32373**
Normalized	94.07%	95.43%	100%
Standard Deviation	1.1%	0.8%	2.2%
DaCapo Benchmark - Tradesoap (msec)	**21285**	**8810**	9075
Normalized	41.39%	100%	97.08%
Standard Deviation	234.3%	1.8%	2.9%
DaCapo Benchmark - Tradebeans (msec)	**8875**	**8683**	8851
Normalized	97.84%	100%	98.1%
Standard Deviation	1.4%	2.9%	1.2%
Sunflow Rendering System - G.I.I.S (sec)	**2.30**	**2.37**	**2.37**
Normalized	100%	97.05%	97.05%
Standard Deviation	1.6%	4.8%	1.8%

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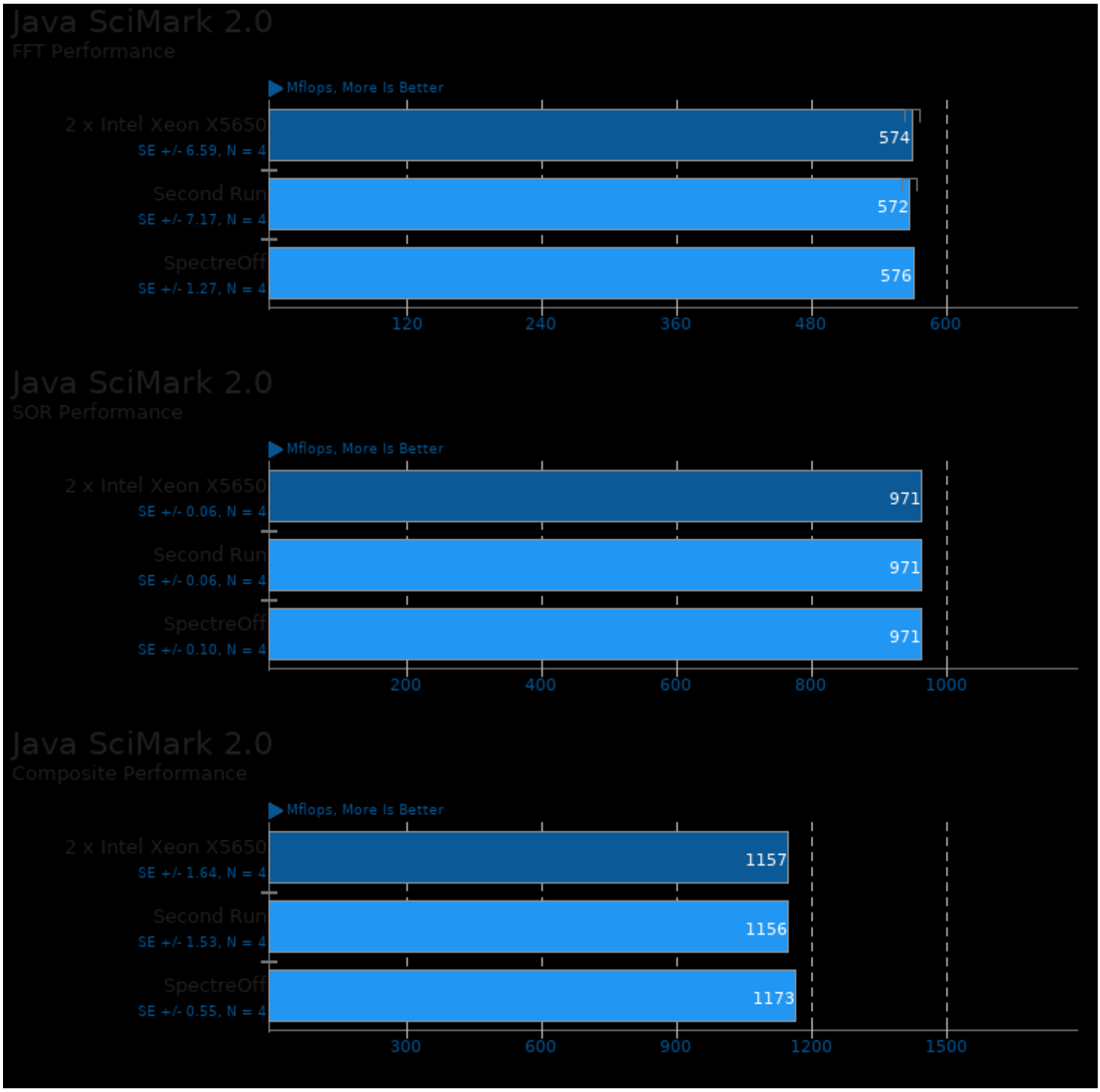

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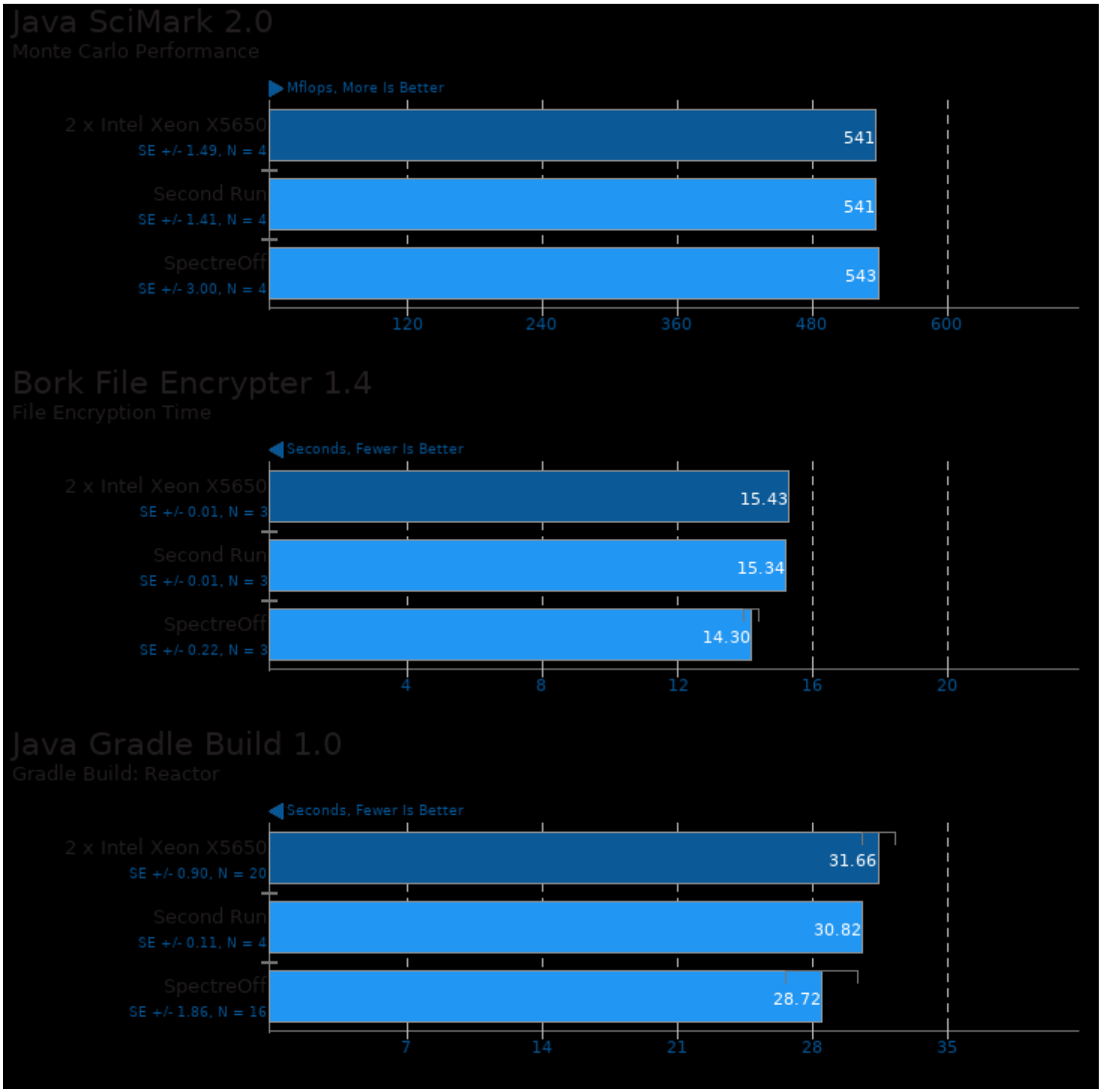

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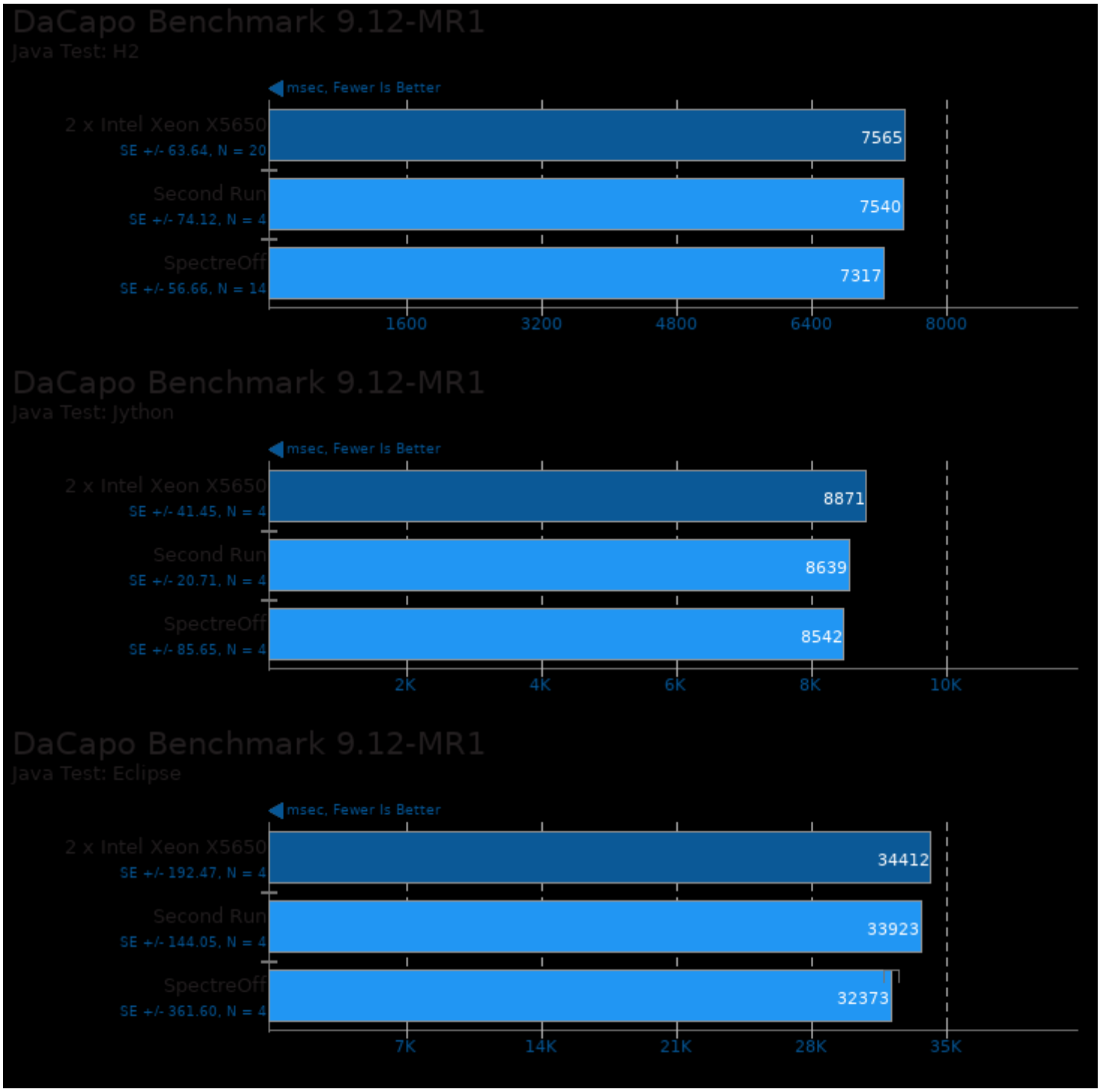

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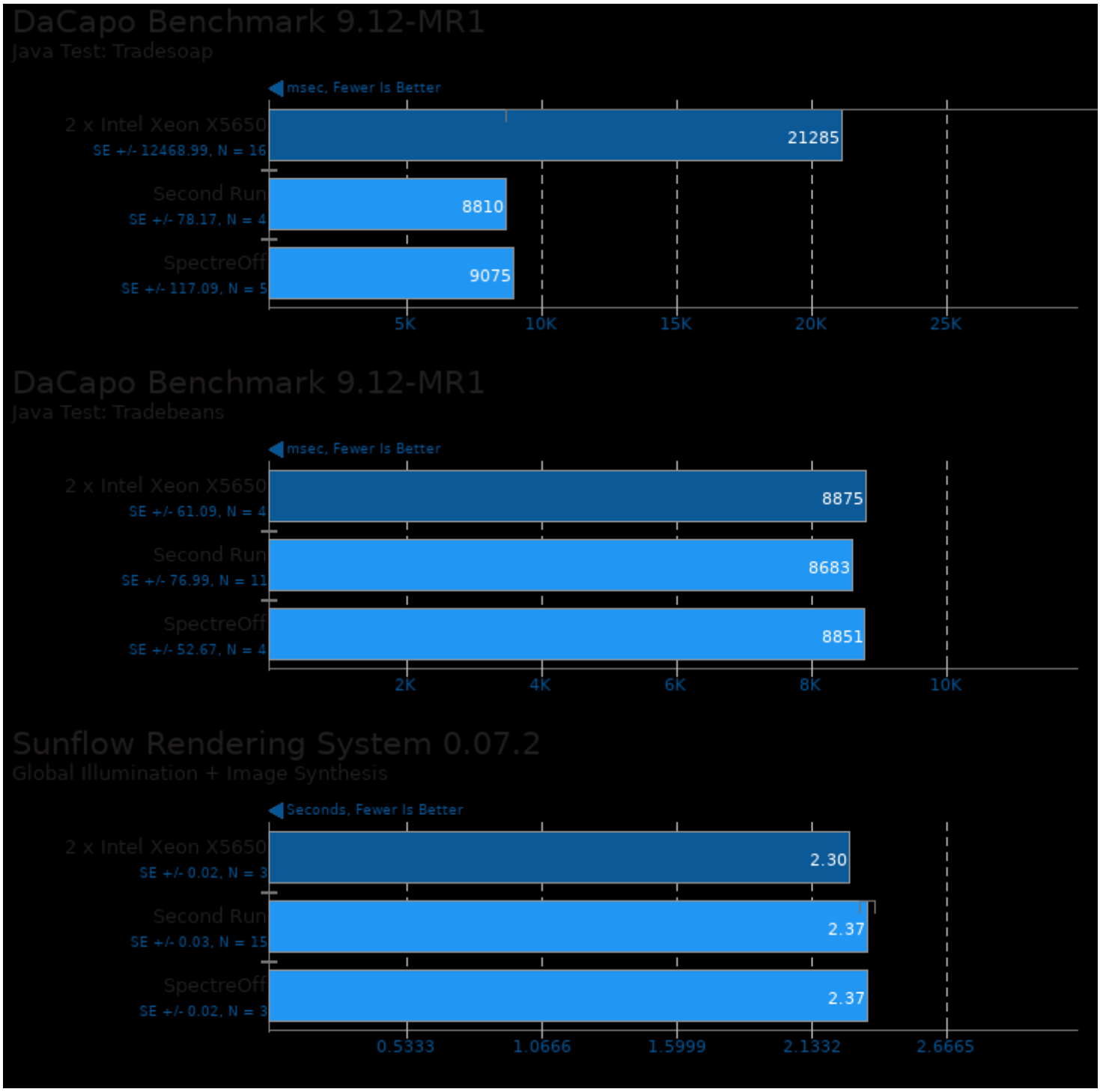

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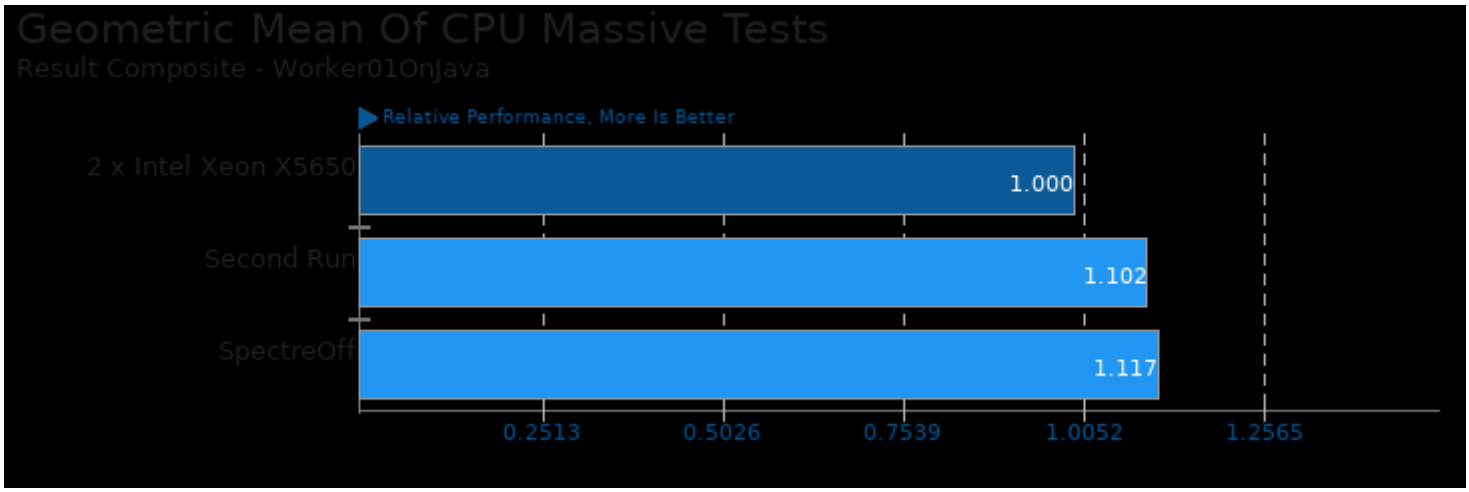
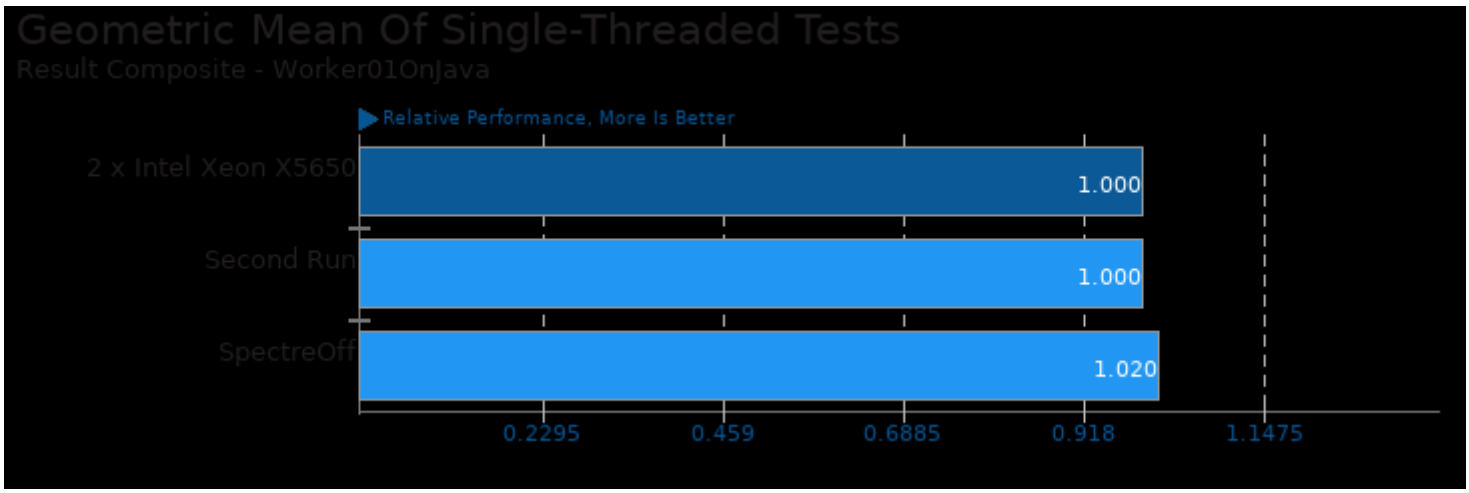
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/dacapobench, pts/java-scimark2 and pts/java-gradle-perf

Geometric mean based upon tests: pts/sunflow, pts/bork, pts/java-scimark2, pts/dacapobench and pts/java-gradle-perf



Geometric mean based upon tests: pts/java-scimark2 and pts/bork

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 22:08.