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pathscale-sysbench

Running pts/compress-lzma-1.2.0, pts/compress-pbzip2-1.3.0, pts/apache-1.3.0, pts/encode-mp3-1.3.1, pts/encode-ogg-1.2.0, pts/gmpbench-1.0.1, pts/c-ray-1.0.0, pts/tachyon-1.0.0, pts/mafft-1.2.0, pts/hmmer-1.1.0, pts/tiobench-1.1.0, pts/postmark-1.0.0, pts/dbench-1.0.0, pts/graphics-magick-1.4.1, pts/openssl-1.5.0, pts/sunflow-1.1.0, pts/sudokut-1.0.0, pts/dcraw-1.0.0, pts/pybench-1.0.0, pts/sqlite-1.8.0 via the Phoronix Test Suite.

Automated Executive Summary

gcc had the most wins, coming in first place for 88% of the tests.

Based on the geometric mean of all complete results, the fastest (gcc) was 1.047x the speed of the slowest (pathscale).

The results with the greatest spread from best to worst included:

LZMA Compression (256MB File Compression) at 1.272x
GraphicsMagick (HWB Color Space) at 1.107x
Ogg Encoding (WAV To Ogg) at 1.105x
GraphicsMagick (Local Adaptive Thresholding) at 1.091x
Dbench (12 Clients) at 1.044x
Apache Benchmark (Static Web Page Serving) at 1.017x
Threaded I/O Tester (64MB Write - 32 Threads) at 1.013x
Parallel BZIP2 Compression (256MB File Compression) at 1.008x

LAME MP3 Encoding (WAV To MP3) at 1.007x
Sudokut (Total Time) at 1.002x.

Test Systems:

pathscale

Processor: AMD Phenom II X4 945 @ 3.01GHz (4 Cores), Motherboard: Gigabyte GA-770TA-UD3, Chipset: ATI RX780/RX790 + SB7x0/SB8x0/SB9x0, Memory: 4096MB, Disk: 500GB SAMSUNG HD501LJ + 320GB Western Digital WDC WD3200BEKT-0, Graphics: AMD Radeon HD 5750 1024MB, Audio: Realtek ALC888, Monitor: PL2409HD

OS: Debian testing, Kernel: 2.6.38-2-amd64 (x86_64), Display Driver: amd, Compiler: PathScale 4.0.10 + GCC 4.6.1, File-System: ext4

System Notes: Disk Scheduler: CFQ. Python 2.6.6.

gcc

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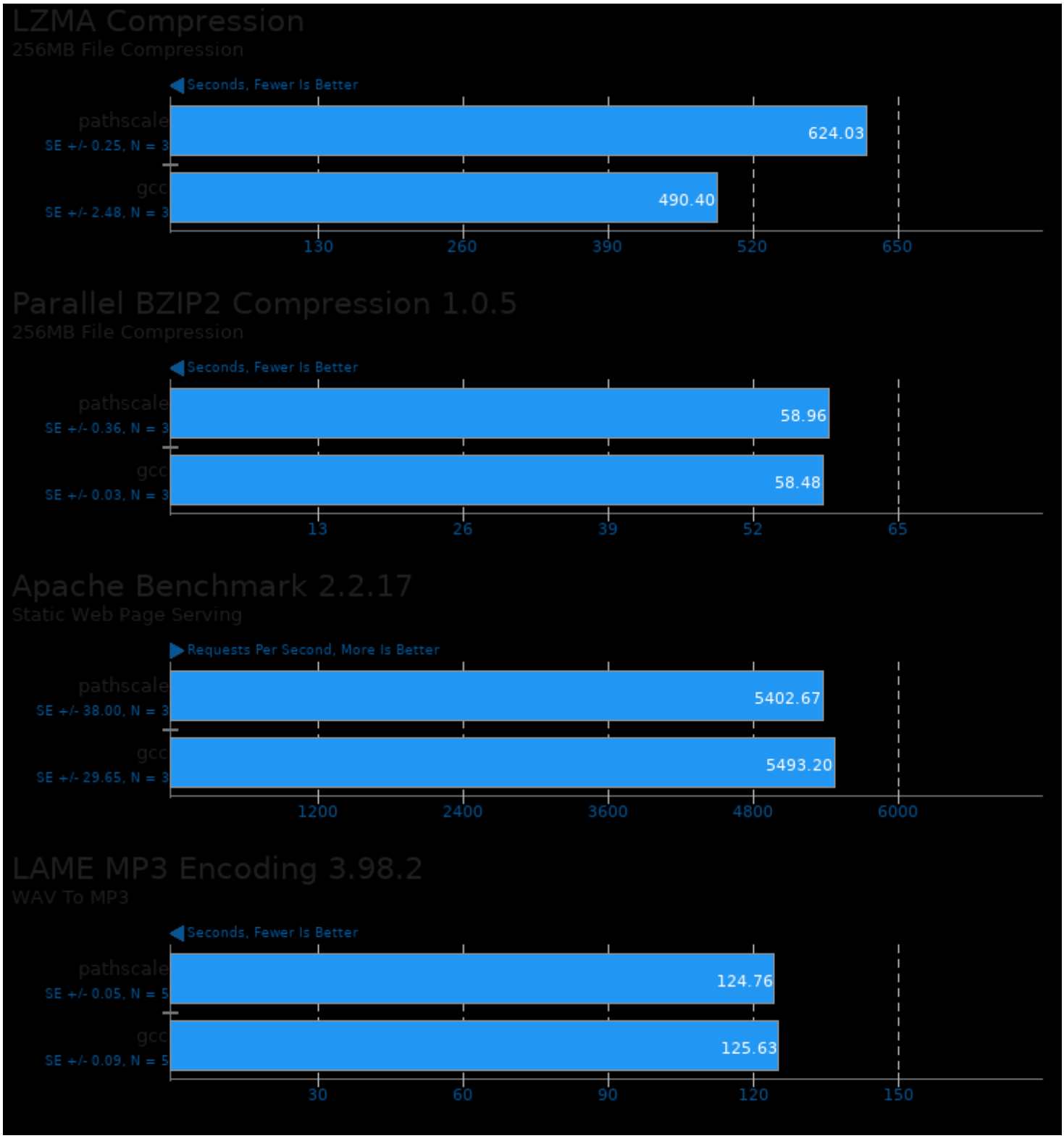
System Notes: Disk Scheduler: CFQ. Python 2.6.6.

	pathscale	gcc
LZMA Compression - 2.F.C (sec)	**624.03**	**490.40**
Normalized	78.59%	100%
Standard Deviation	0.1%	0.9%
Parallel BZIP2 Compression - 2.F.C (sec)	**58.96**	**58.48**
Normalized	99.19%	100%
Standard Deviation	1.1%	0.1%
Apache Benchmark - S.W.P.S (Reqs/sec)	**5403**	**5493**
Normalized	98.35%	100%
Standard Deviation	1.2%	0.9%
LAME MP3 Encoding - WAV To MP3 (sec)	**124.76**	**125.63**
Normalized	100%	99.31%
Standard Deviation	0.1%	0.2%
Ogg Encoding - WAV To Ogg (sec)	**58.52**	**52.96**
Normalized	90.5%	100%
Standard Deviation	0.1%	0.3%

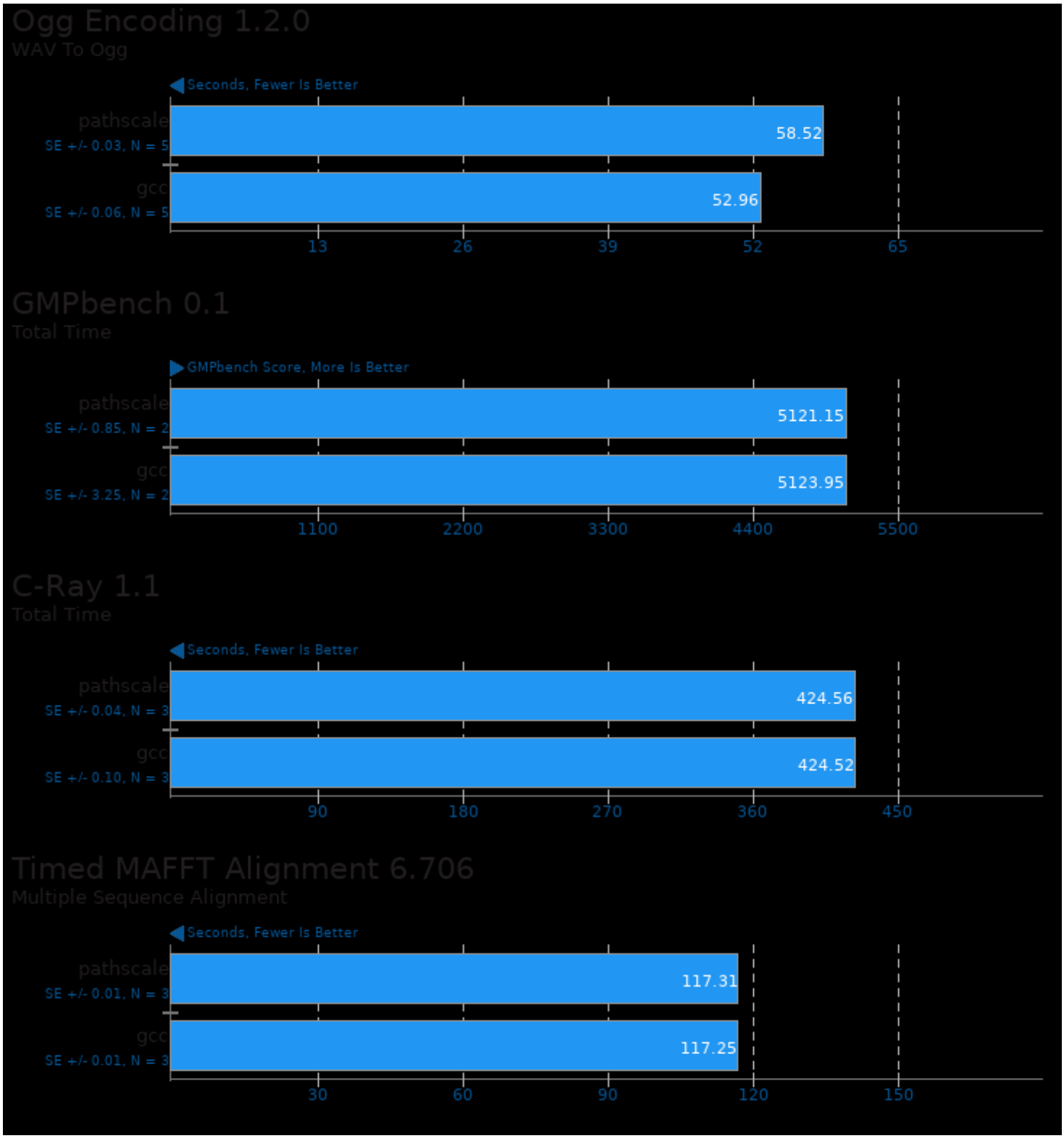
pathscale-sysbench

GMPbench - Total Time (GMPbench Score)	**5121**	**5124**
Normalized	99.95%	100%
Standard Deviation	0%	0.1%
C-Ray - Total Time (sec)	**424.56**	**424.52**
Normalized	99.99%	100%
Standard Deviation	0%	0%
Timed MAFFT Alignment - M.S.A (sec)	**117.31**	**117.25**
Normalized	99.95%	100%
Standard Deviation	0%	0%
Timed HMMer Search - P.D.S (sec)	**73.24**	**67.05**
Normalized	91.55%	100%
Standard Deviation	6.7%	3.5%
Threaded I/O Tester - 64MB Write - 32 Threads (MB/s)	**56.91**	**57.63**
Normalized	98.75%	100%
Standard Deviation	1.8%	1%
Threaded I/O Tester - 64MB Read - 32 Threads (MB/s)	**1821**	**2058**
Normalized	88.51%	100%
Standard Deviation	36.8%	0%
PostMark - D.T.P (TPS)	**1077**	**1079**
Normalized	99.81%	100%
Standard Deviation	1.9%	3.3%
Dbench - 12 Clients (MB/s)	**37.55**	**39.19**
Normalized	95.82%	100%
Standard Deviation	1.4%	3.3%
GraphicsMagick - HWB Color Space (Iterations/min)	**28**	**31**
Normalized	90.32%	100%
Standard Deviation	0%	0%
GraphicsMagick - L.A.T (Iterations/min)	**11**	**12**
Normalized	91.67%	100%
Standard Deviation	0%	0%
Sudokut - Total Time (sec)	**227.58**	**227.14**
Normalized	99.81%	100%
Standard Deviation	0.1%	0.2%
dcraw - R.T.P.I.C (sec)	**129.45**	**129.25**
Normalized	99.85%	100%
Standard Deviation	1.1%	1%
PyBench - T.F.A.T.T (Milliseconds)	**13225**	**13244**
Normalized	100%	99.86%
Standard Deviation	1.1%	0.5%

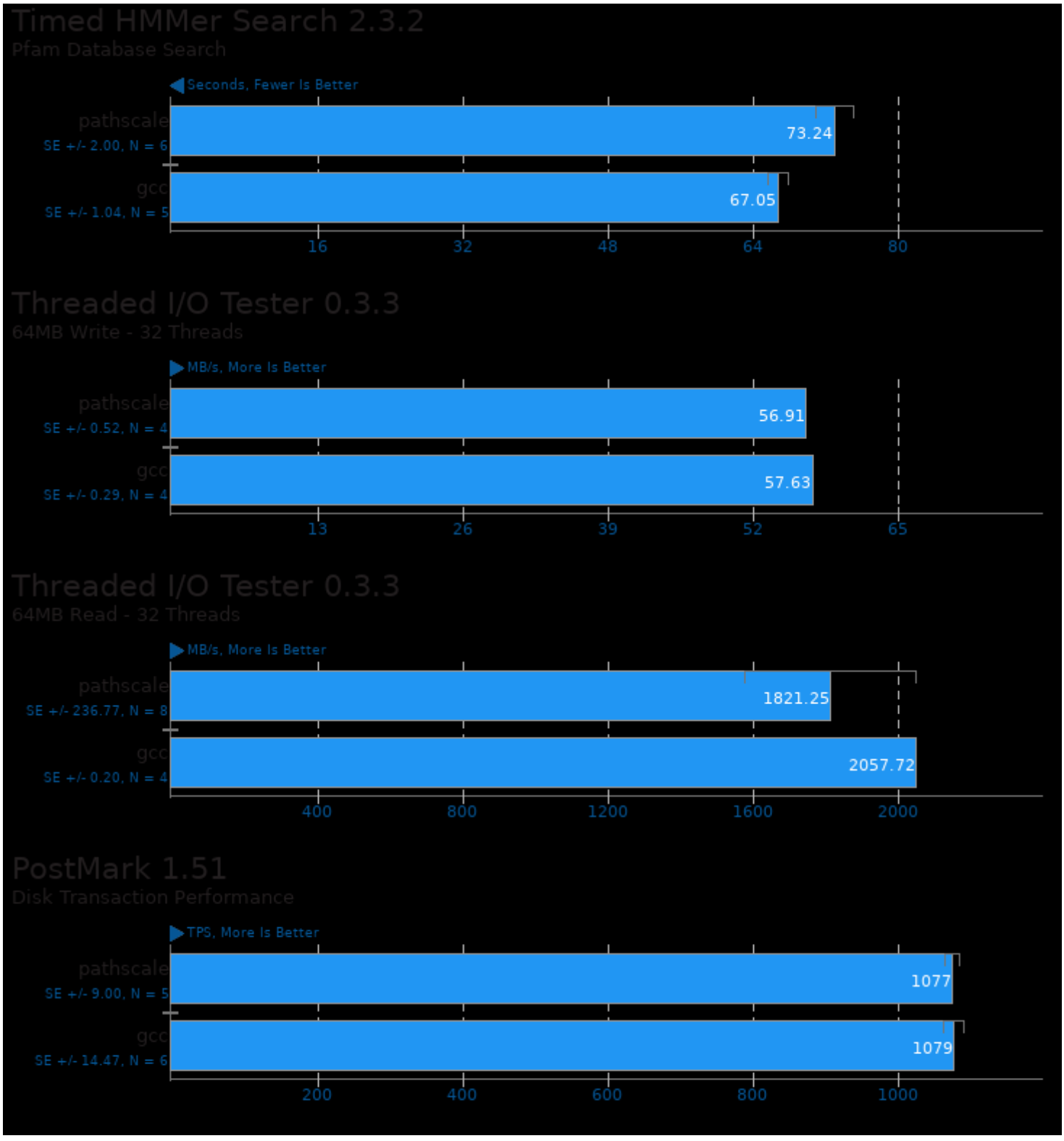
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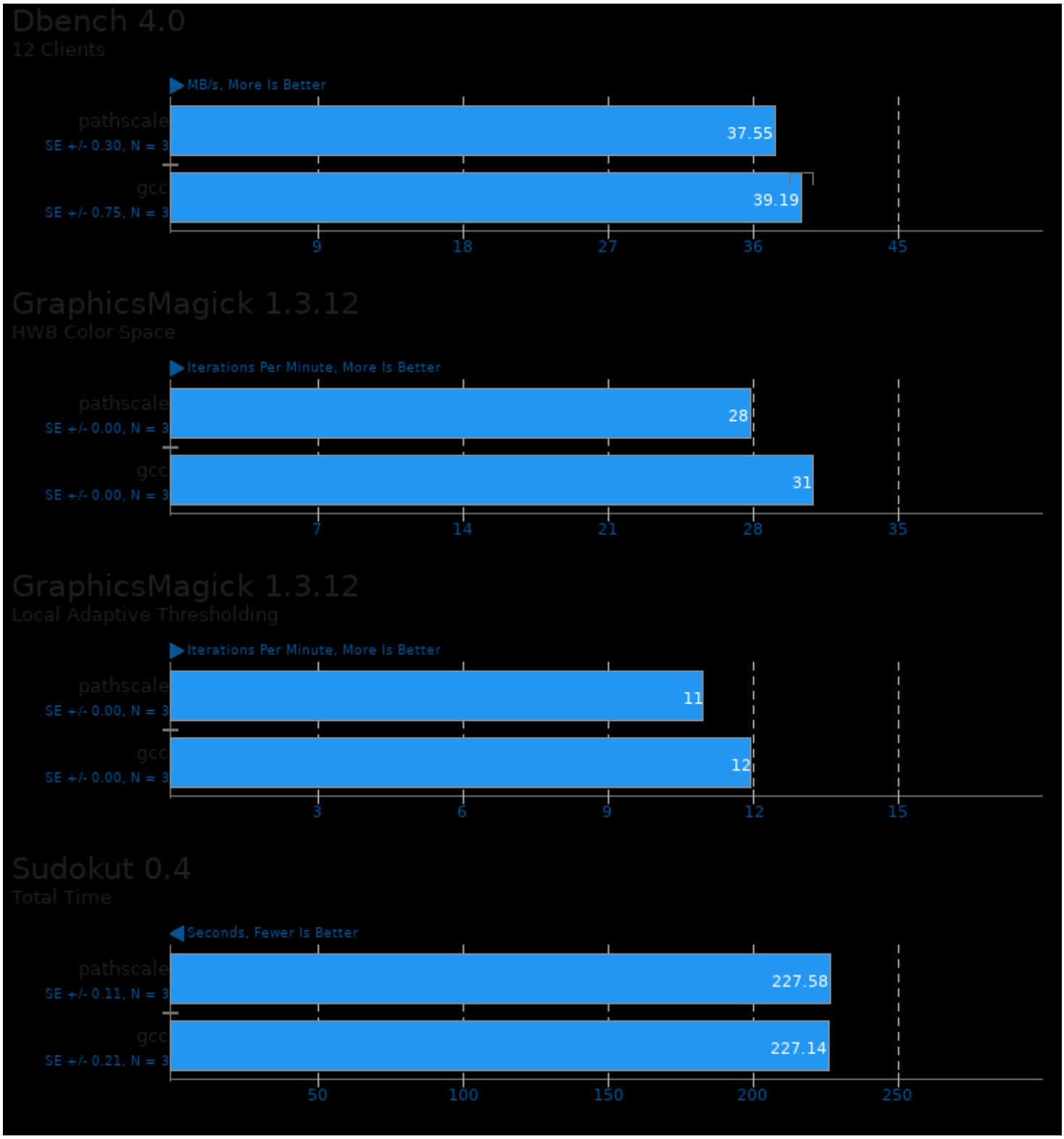
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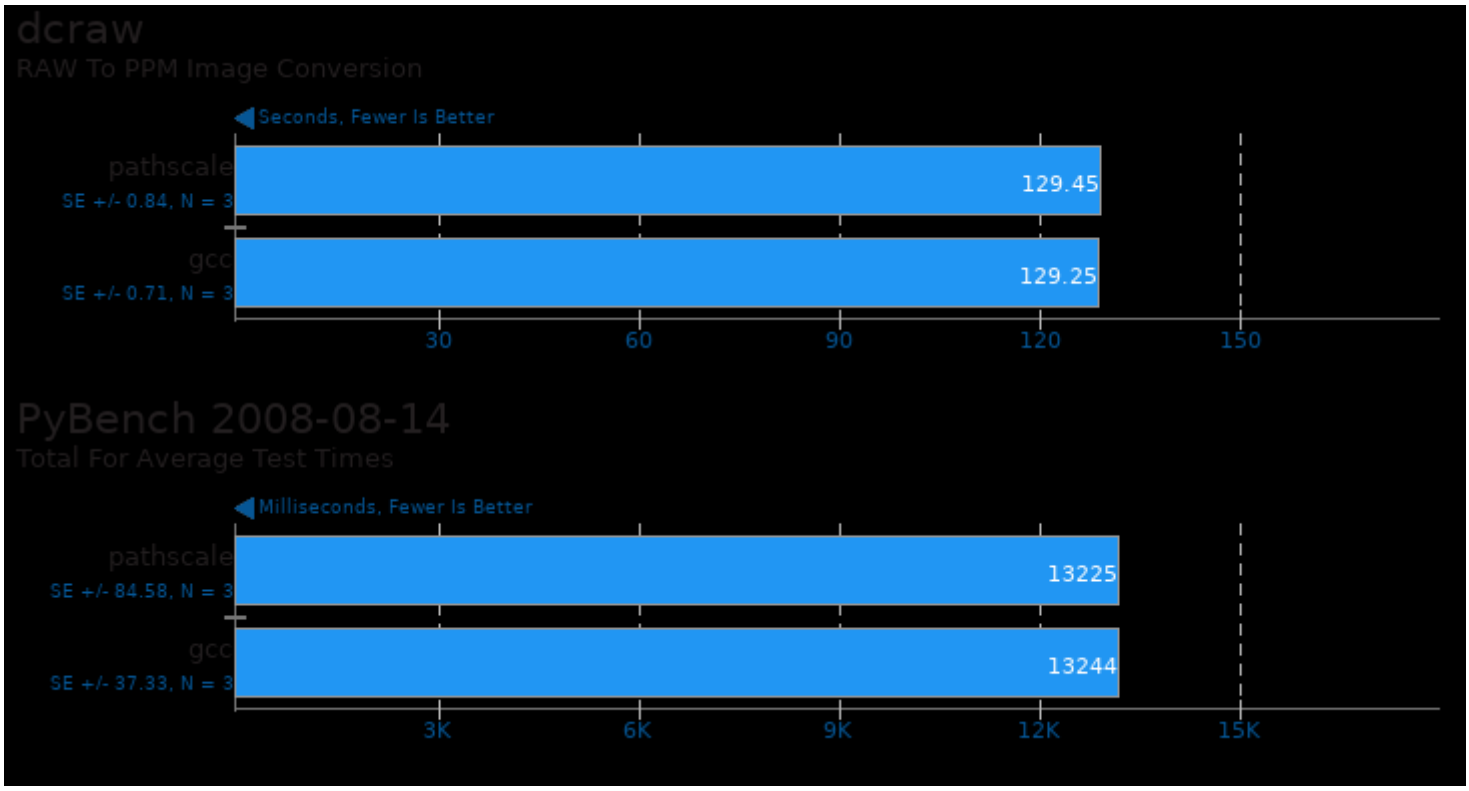
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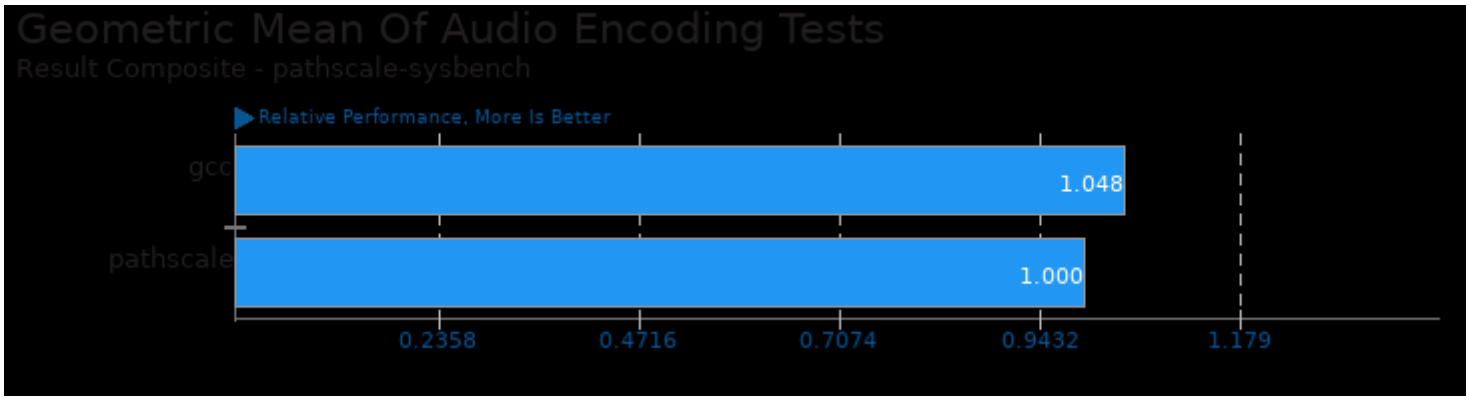


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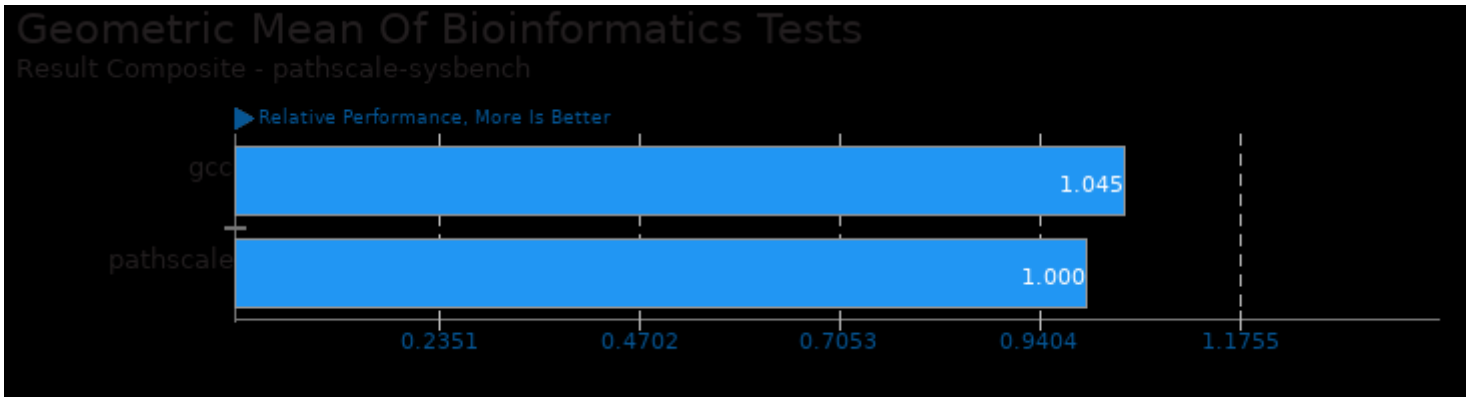


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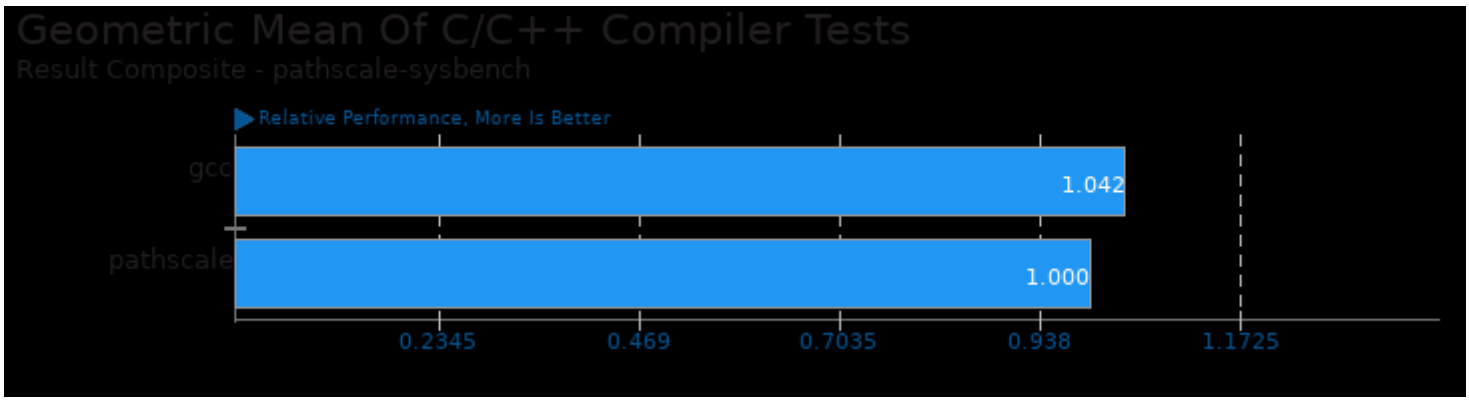
These geometric means are based upon test groupings / test suites for this result file.



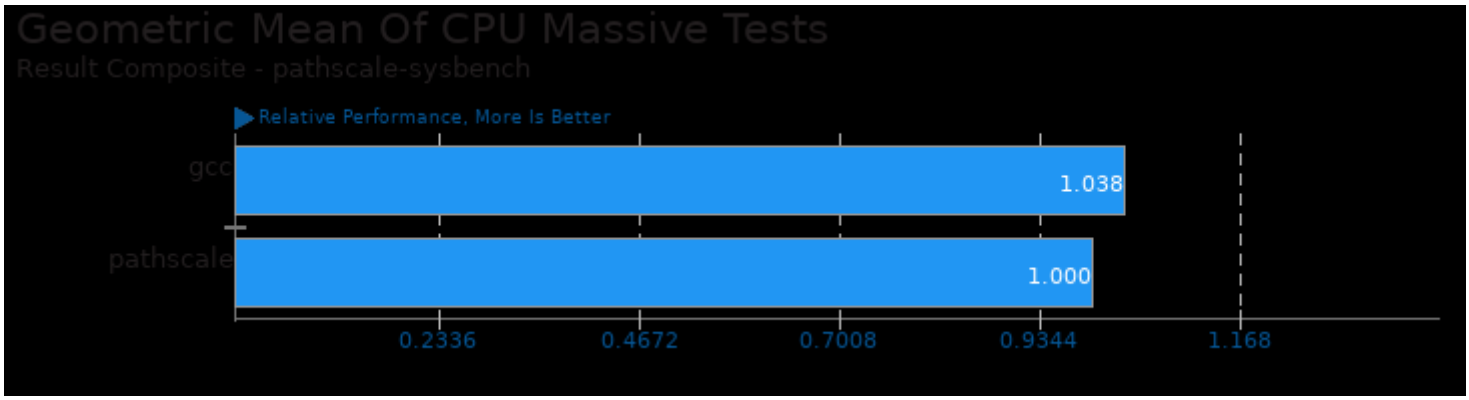
Geometric mean based upon tests: pts/encode-mp3 and pts/encode-ogg



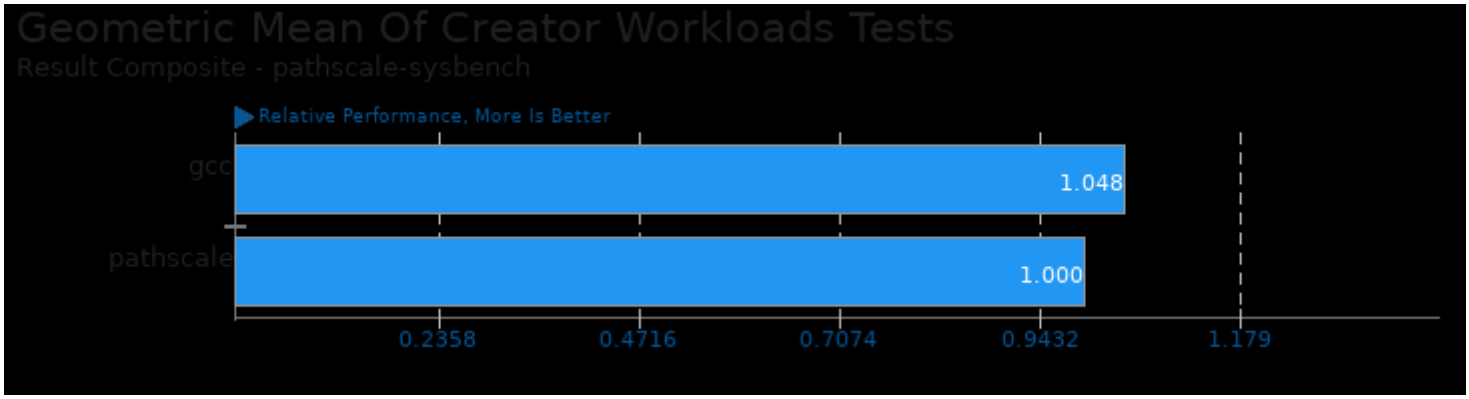
Geometric mean based upon tests: pts/hmmer and pts/mafft



Geometric mean based upon tests: pts/mafft, pts/graphics-magick, pts/hmmer, pts/c-ray, pts/encode-mp3 and pts/apache



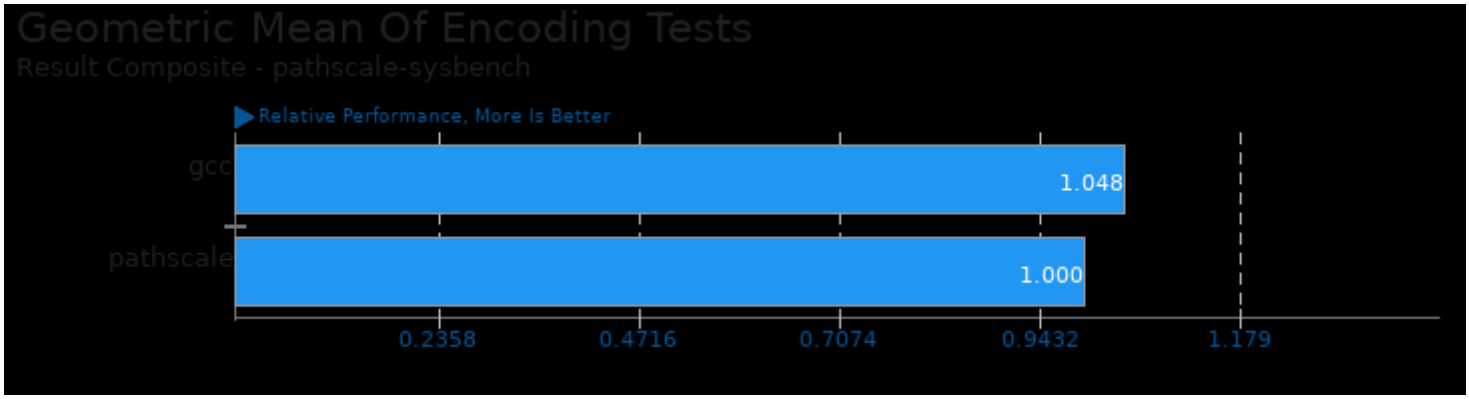
Geometric mean based upon tests: pts/apache, pts/c-ray, pts/compress-pbzip2, pts/encode-mp3, pts/graphics-magick, pts/hmmer and pts/mafft



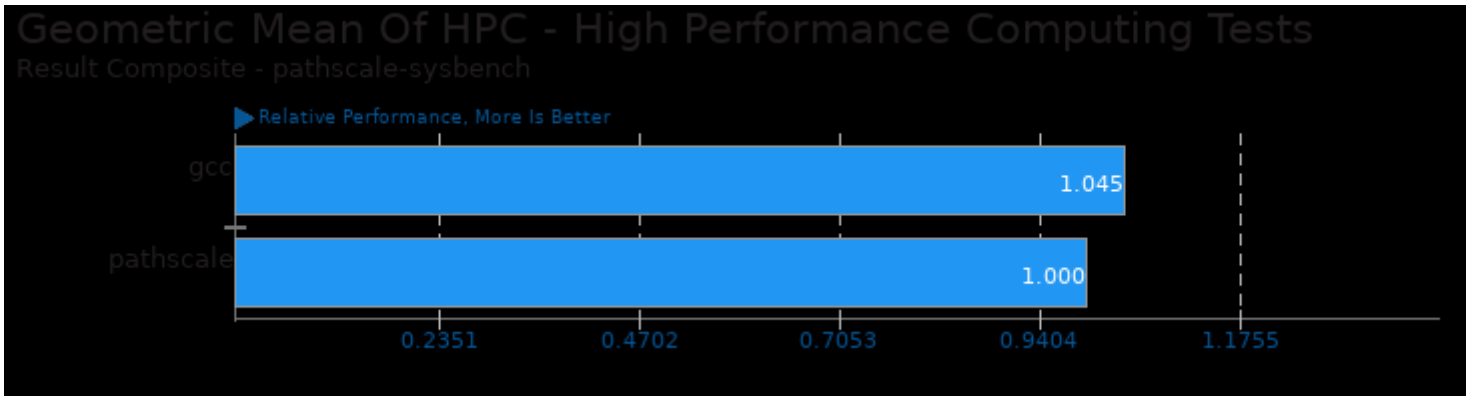
Geometric mean based upon tests: pts/c-ray, pts/encode-mp3, pts/encode-ogg, pts/graphics-magick and pts/dcraw



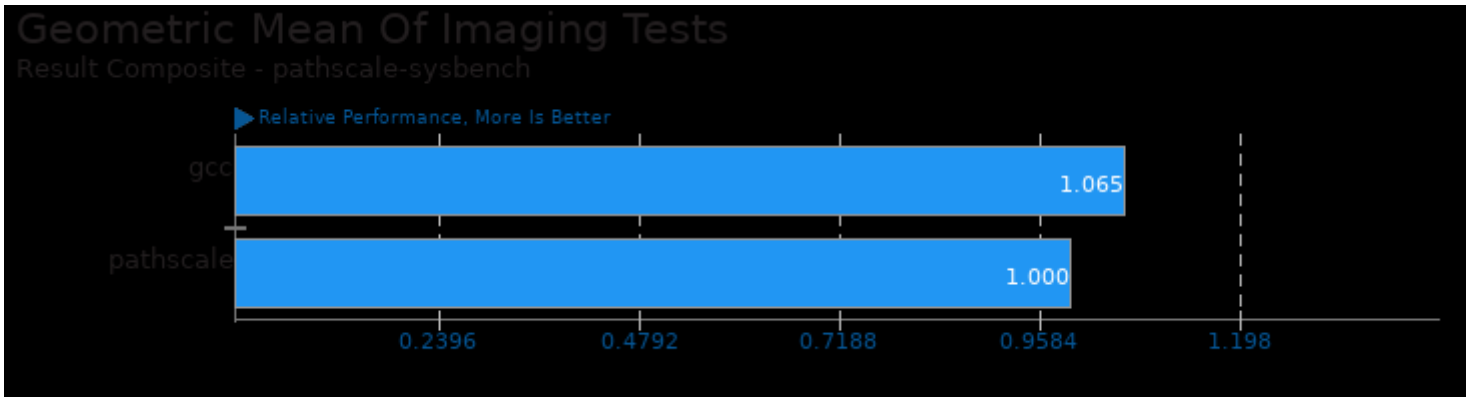
Geometric mean based upon tests: pts/dbench and pts/postmark



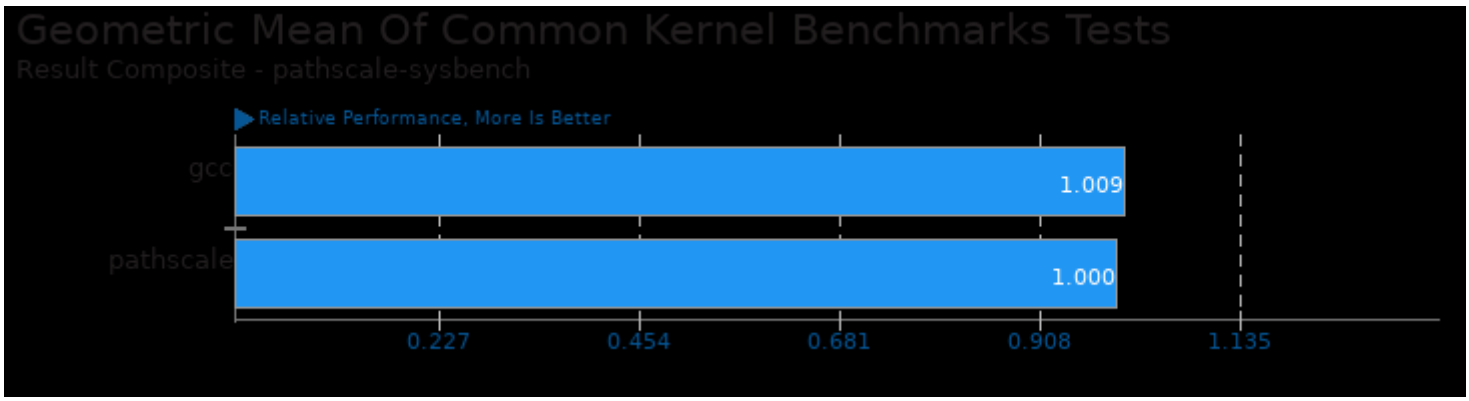
Geometric mean based upon tests: pts/encode-mp3 and pts/encode-ogg



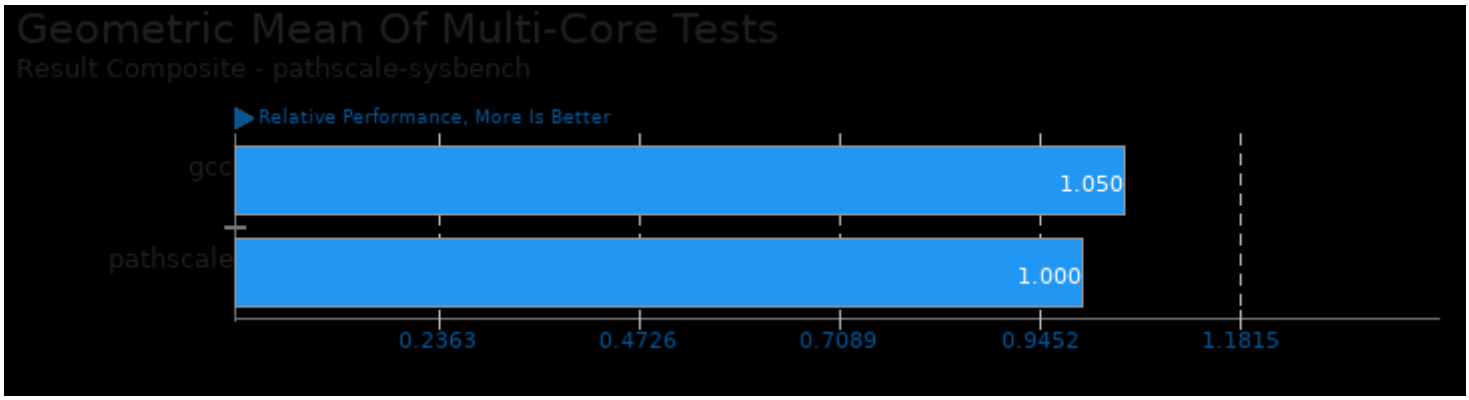
Geometric mean based upon tests: pts/hmmer and pts/mafft



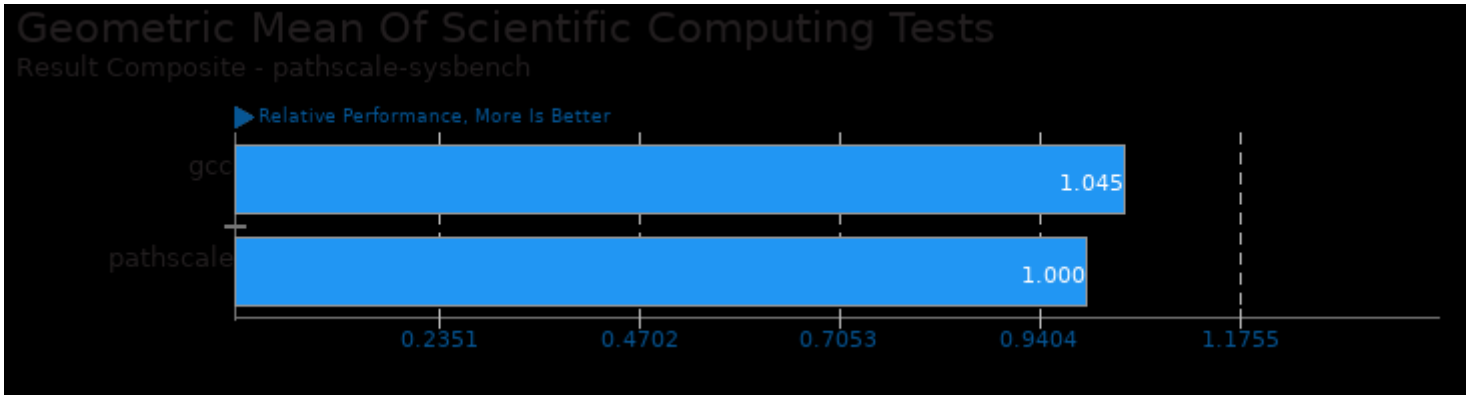
Geometric mean based upon tests: pts/graphics-magick and pts/dcraw



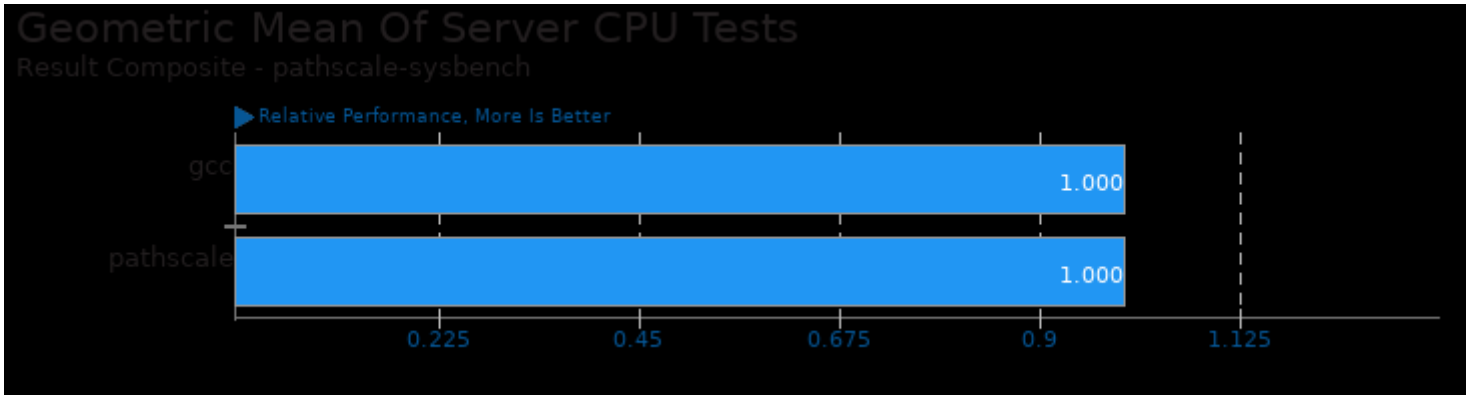
Geometric mean based upon tests: pts/apache and pts/postmark



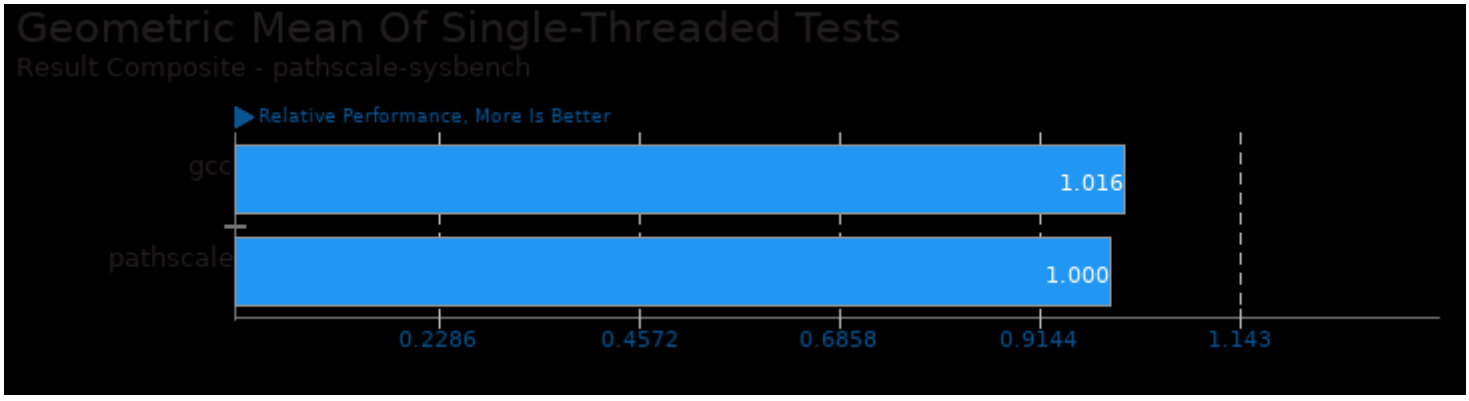
Geometric mean based upon tests: pts/c-ray, pts/graphics-magick and pts/compress-pbzip2



Geometric mean based upon tests: pts/hmmer and pts/mafft



Geometric mean based upon tests: pts/c-ray and pts/pybench



Geometric mean based upon tests: pts/gmpbench, pts/dcraw, pts/encode-mp3, pts/encode-ogg, pts/sudokut and

pathscale-sysbench

pts/pybench

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