# SPEC CPU 2017 Runs

--size=ref --noreportable as 600.perlbench_s crashes for test.

Final version...

| | Reference Run | | Reference Run | | Reference Run | | v1.3.1 (523411b3) | | | v1.3.1 (523411b3) --optimize=no-fusion | | | v1.3.1 (523411b3) --optimize=no-ras | | | v1.3.1 (523411b3) --optimize=no-jump-no-ras | | | v1.3.1 (523411b3) --optimize=none | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Results** | **Native** | | **rv8** | | **QEMU** | | **DBT** | | **DBT:QEMU*** | **DBT** | | **DBT:QEMU*** | **DBT** | | **DBT:QEMU*** | **DBT** | | **DBT:QEMU*** | **DBT** | | **DBT:QEMU*** | **Results** |
| **Benchmark** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Seconds** | **Ratio** | **Factor** | **Seconds** | **Ratio** | **Factor** | **Seconds** | **Ratio** | **Factor** | **Seconds** | **Ratio** | **Factor** | **Seconds** | **Ratio** | **Factor** | **Benchmark** |
| *600.perlbench_s* | 654,00 | 2,71 | - | - | 3090,00 | 0,574 | 2028,00 | 0,88 | 0,66 | 2108,00 | 0,84 | 0,68 | 2560,00 | 0,69 | 0,83 | 2643,00 | 0,67 | 0,86 | 14840,00 | 0,12 | 4,80 | *600.perlbench_s* |
| *602.gcc_s* | 953,00 | 4,18 | - | - | 3379,00 | 1,18 | 1784,00 | 2,23 | 0,53 | 1800,00 | 2,21 | 0,53 | 2383,00 | 1,67 | 0,71 | 2765,00 | 1,44 | 0,82 | 14072,00 | 0,28 | 4,16 | *602.gcc_s* |
| *605.mcf_s* | 1409,00 | 3,35 | - | - | 3225,00 | 1,46 | 2484,00 | 1,90 | 0,77 | 2532,00 | 1,86 | 0,79 | 3061,00 | 1,54 | 0,95 | 3039,00 | 1,55 | 0,94 | 9127,00 | 0,52 | 2,83 | *605.mcf_s* |
| *620.omnetpp_s* | 779,00 | 2,09 | - | - | 2604,00 | 0,626 | 1640,00 | 0,99 | 0,63 | 1679,00 | 0,97 | 0,64 | 2396,00 | 0,68 | 0,92 | 2666,00 | 0,61 | 1,02 | 8557,00 | 0,19 | 3,29 | *620.omnetpp_s* |
| *623.xalancbmk_s* | 533,00 | 2,66 | - | - | 1651,00 | 0,858 | 964,00 | 1,47 | 0,58 | 988,00 | 1,43 | 0,60 | 1399,00 | 1,01 | 0,85 | 1532,00 | 0,93 | 0,93 | 7382,00 | 0,19 | 4,47 | *623.xalancbmk_s* |
| *625.x264_s* | 554,00 | 3,19 | - | - | 2926,00 | 0,603 | 2739,00 | 0,64 | 0,94 | 2744,00 | 0,64 | 0,94 | 2906,00 | 0,61 | 0,99 | 2907,00 | 0,61 | 0,99 | 6750,00 | 0,26 | 2,31 | *625.x264_s* |
| *631.deepsjeng_s* | 773,00 | 1,85 | - | - | 2443,00 | 0,587 | 1494,00 | 0,96 | 0,61 | 1503,00 | 0,95 | 0,62 | 2337,00 | 0,61 | 0,96 | 2329,00 | 0,62 | 0,95 | 11064,00 | 0,13 | 4,53 | *631.deepsjeng_s* |
| *641.leela_s* | 1045,00 | 1,63 | - | - | 3176,00 | 0,537 | 1871,00 | 0,91 | 0,59 | 1881,00 | 0,91 | 0,59 | 2796,00 | 0,61 | 0,88 | 2824,00 | 0,60 | 0,89 | 10375,00 | 0,16 | 3,27 | *641.leela_s* |
| *648.exchange2_s* | 780,00 | 3,77 | 2171,00 | 1,35 | 2214,00 | 1,33 | 1450,00 | 2,03 | 0,65 | 1444,00 | 2,04 | 0,65 | 1455,00 | 2,02 | 0,66 | 1457,00 | 2,02 | 0,66 | 12630,00 | 0,23 | 5,70 | *648.exchange2_s* |
| *657.xz_s* | 4665,00 | 1,33 | - | - | 8919,00 | 0,693 | 7365,00 | 0,84 | 0,83 | 7488,00 | 0,83 | 0,84 | 7620,00 | 0,81 | 0,85 | 7654,00 | 0,81 | 0,86 | 30085,00 | 0,21 | 3,37 | *657.xz_s* |
| | **Base Score** | | **Base Score** | | **Base Score** | | **Base Score** | | **Factor** | **Base Score** | | **Factor** | **Base Score** | | **Factor** | **Base Score** | | **Factor** | **Average Ratio** | | **Factor** | |
| | 2,52 | | 1,35 | | 0,7887 | | 1,18 | | 0,6684 | 1,16 | | 0,6799 | 0,9251 | | 0,8526 | 0,8902 | | 0,8860 | 0,23 | | 3,6794 | |
| | | | | | | | **Factor to optimized** | | | **Factor to optimized** | | | **Factor to optimized** | | | **Factor to optimized** | | | **Factor to optimized** | | | |
| | | | | | | | 1,00 | | | 1,02 | | | 1,28 | | | 1,33 | | | 5,60 | | | |

**Seconds:** Runtime of benchmarks. Lower is better

**Ratio:** Time on reference system / time on SUT. Higher is better

**Base Score:** SPECspeed2017_int_base metric. Higher is better

**v1.2.1-7 (fc8ddf76):** Translator version. *<last git version tag>–<no. of commits between HEAD & last tag> (latest commit hash)*

**DBT:QEMU ratios*:** Ratio between QEMU and DBT, so that lower is better.
Indicates how many times **slower** DBT is to QEMU.

****:** Not accurate, as the 625.x264_s data is from a separate run