

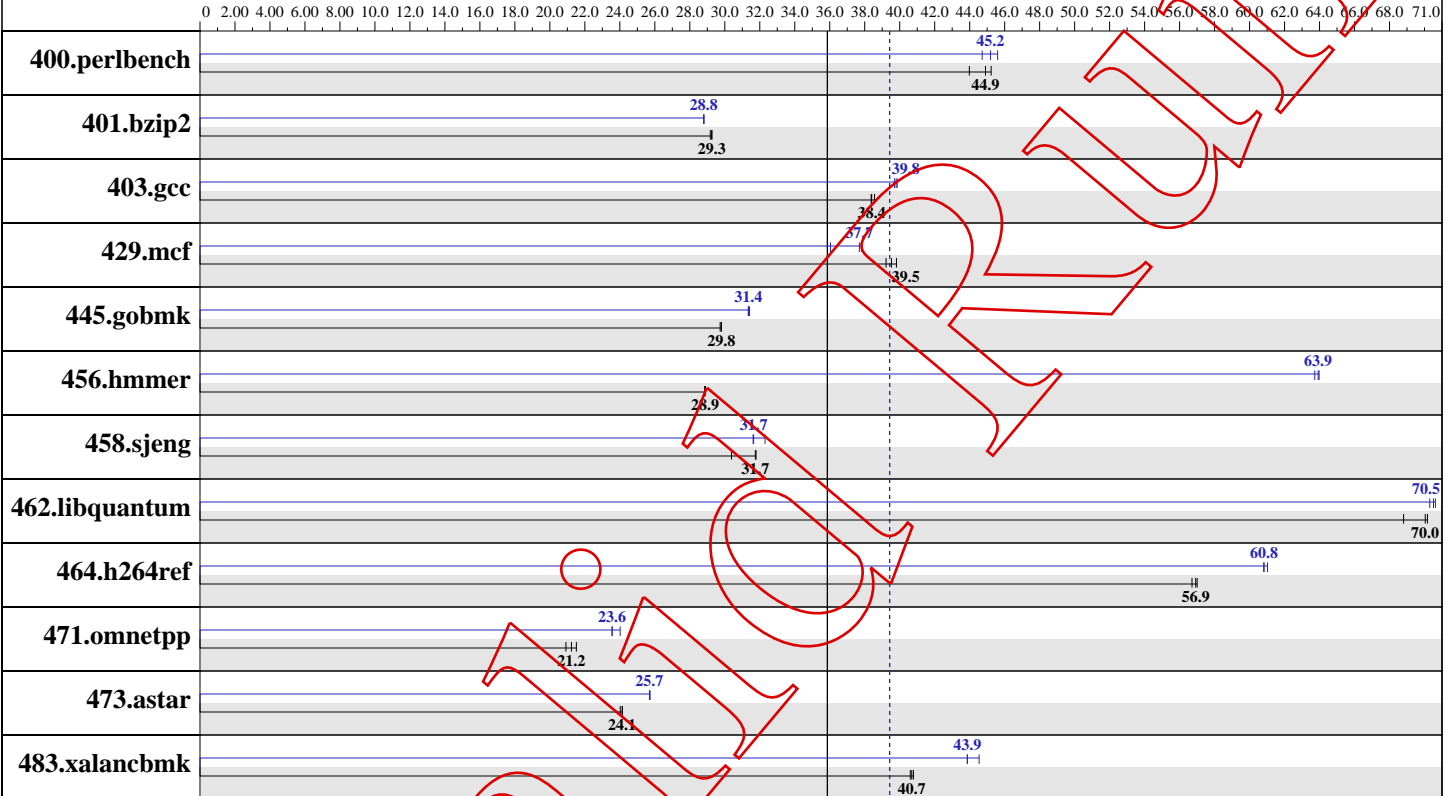
# SPEC® CINT2006 Result

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SPECint®2006 = 39.4

SPECint\_base2006 = 35.9

CPU2006 license #: 0002991 | Test sponsor: | Test date: Jun 17, 2021 | Hardware Availability: Now | Software Availability: Now



SPECint\_base2006 = 35.9

SPECint2006 = 39.4

## Hardware

CPU Name: --  
 CPU Characteristics: --  
 CPU MHz: 1518.713  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, -1 chips, -1 cores/chip, -1 threads/core  
 CPU(s) orderable: --  
 Primary Cache: --  
 Secondary Cache: 6144 KB  
 L3 Cache: --  
 Other Cache: --  
 Memory: 16280404 kB  
 Disk Subsystem: --  
 Other Hardware: --

## Software

Operating System: Linux 5.3.11-100.fc29.x86\_64  
 Compiler: gcc version 12.0.0 20210618 (experimental) (GCC)  
 Auto Parallel: --  
 File System: --  
 System State: multiuser  
 Base Pointers: --  
 Peak Pointers: --  
 Other Software: --

## Errors

'reportable' flag not set during run  
 Unknown flags were used! See  
<http://www.spec.org/auto/cpu2006/Docs/runspec.html#flagsurl>  
 for information about how to get rid of this error.

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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	222	44.0	<b>218</b>	<b>44.9</b>	216	45.2	214	45.6	219	44.7	<b>216</b>	<b>45.2</b>
401.bzip2	<b>330</b>	<b>29.3</b>	331	29.2	330	29.3	<b>335</b>	<b>28.8</b>	335	28.8	335	28.8
403.gcc	210	38.4	<b>210</b>	<b>38.4</b>	209	38.6	203	39.7	<b>202</b>	<b>39.8</b>	202	39.9
429.mcf	233	39.2	229	39.8	<b>231</b>	<b>39.5</b>	253	36.0	241	37.8	<b>242</b>	<b>37.7</b>
445.gobmk	353	29.7	<b>352</b>	<b>29.8</b>	352	29.8	335	31.3	334	31.4	<b>335</b>	<b>31.4</b>
456.hammer	323	28.9	323	28.9	<b>323</b>	<b>28.9</b>	146	64.0	146	63.7	<b>146</b>	<b>63.9</b>
458.sjeng	<b>381</b>	<b>31.7</b>	381	31.8	398	30.4	375	32.3	<b>382</b>	<b>31.7</b>	383	31.6
462.libquantum	295	70.2	<b>296</b>	<b>70.0</b>	301	68.8	295	70.3	<b>294</b>	<b>70.5</b>	293	70.6
464.h264ref	388	57.0	390	56.7	<b>389</b>	<b>56.9</b>	<b>364</b>	<b>60.8</b>	363	61.0	364	60.8
471.omnetpp	<b>294</b>	<b>21.2</b>	290	21.5	299	20.9	260	24.0	265	23.6	<b>265</b>	<b>23.6</b>
473.astar	<b>291</b>	<b>24.1</b>	292	24.0	291	24.1	273	25.7	<b>273</b>	<b>25.7</b>	273	25.7
483.xalancbmk	169	40.8	170	40.6	<b>170</b>	<b>40.7</b>	157	43.9	155	44.5	<b>157</b>	<b>43.9</b>

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

Base flags: -O2 -mtune=generic  
Peak flags: -Ofast -mtune=corei7 -march=core-avx2 -flto  
PORTABILITY=-DSPEC\_CPU\_LP64 is applied to all benchmarks.  
400.perlbench: -DSPEC\_CPU\_LINUX\_X64  
462.libquantum: -DSPEC\_CPU\_LINUX

## Base Unknown Flags

400.perlbench: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-std=gnu89" (in CPORTABILITY)  
"-O2 -mtune=generic" (in COPTIMIZE)

401.bzip2: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

403.gcc: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

429.mcf: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

445.gobmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
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456.hmmer: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

458.sjeng: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

462.libquantum: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

464.h264ref: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

471.omnetpp: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon" (in CXX)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon  
"-O2 -mtune=generic" (in CXXOPTIMIZE)

473.aster: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon" (in CXX)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon  
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483.xalancbmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/g++ -fcommon" (in CXX)  
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"-O2 -mtune=generic" (in CXXOPTIMIZE)

## Peak Unknown Flags

400.perlbench: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-std-gnu89" (in CPORTABILITY)  
"-O2 -mtune=generic" (in COPTIMIZE)

401.bz2: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

403.gcc: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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429.mcf: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

445.gobmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon  
"-O2 -mtune=generic" (in COPTIMIZE)

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458.sjeng: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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462.libquantum: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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464.h264ref: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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401.bzip2: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in CXXOPTIMIZE)

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"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in CXXOPTIMIZE)

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