

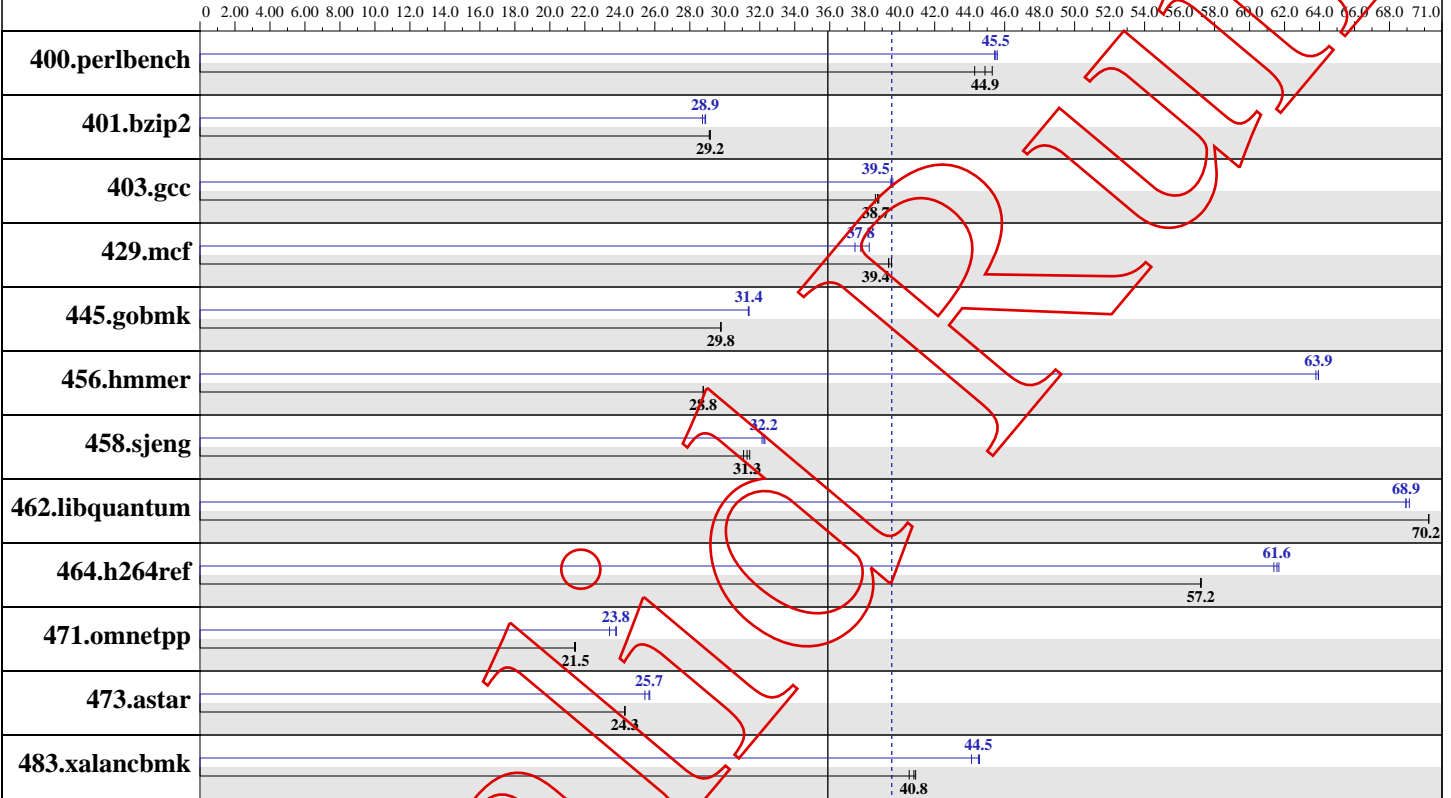
# SPEC® CINT2006 Result

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SPECint®2006 = 39.5

SPECint\_base2006 = 35.9

CPU2006 license #: 0002991 | Test sponsor: | Test date: Jun 09, 2021 | Hardware Availability: Now | Software Availability: Now



SPECint\_base2006 = 35.9

SPECint2006 = 39.5

## Hardware

CPU Name: --  
 CPU Characteristics: --  
 CPU MHz: 2061.912  
 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 20210610 (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	<b>218</b>	<b>44.9</b>	221	44.3	216	45.3	<b>215</b>	<b>45.5</b>	214	45.6	215	45.4
401.bzip2	331	29.2	<b>331</b>	<b>29.2</b>	331	29.1	<b>334</b>	<b>28.9</b>	334	28.9	336	28.7
403.gcc	207	38.8	209	38.6	<b>208</b>	<b>38.7</b>	203	39.6	<b>204</b>	<b>39.5</b>	204	39.5
429.mcf	232	39.4	<b>232</b>	<b>39.4</b>	231	39.5	244	37.4	238	38.3	<b>241</b>	<b>37.8</b>
445.gobmk	<b>352</b>	<b>29.8</b>	352	29.8	352	29.8	334	31.4	335	31.3	<b>334</b>	<b>31.4</b>
456.hammer	<b>324</b>	<b>28.8</b>	324	28.8	324	28.8	<b>146</b>	<b>63.9</b>	146	63.9	146	63.8
458.sjeng	385	31.4	<b>387</b>	<b>31.3</b>	389	31.1	375	32.3	377	32.1	<b>375</b>	<b>32.2</b>
462.libquantum	<b>295</b>	<b>70.2</b>	295	70.2	295	70.2	<b>301</b>	<b>68.9</b>	300	69.1	301	68.9
464.h264ref	387	57.2	387	57.2	<b>387</b>	<b>57.2</b>	<b>359</b>	<b>61.6</b>	359	61.7	360	61.4
471.omnetpp	291	21.5	292	21.4	<b>291</b>	<b>21.5</b>	267	23.4	<b>263</b>	<b>23.8</b>	263	23.8
473.astar	289	24.3	<b>289</b>	<b>24.3</b>	289	24.3	<b>273</b>	<b>25.7</b>	276	25.4	273	25.7
483.xalancbmk	<b>169</b>	<b>40.8</b>	170	40.5	169	40.9	<b>156</b>	<b>44.1</b>	<b>155</b>	<b>44.5</b>	155	44.6

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  
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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  
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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)  
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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)  
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"-O2 -mtune=generic" (in COPTIMIZE)

445.gobmk: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86\_64/inst.topka/bin/gcc -fcommon" (in CC)  
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"-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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464.h264ref: "/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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