# SPEC® CINT2006 Result

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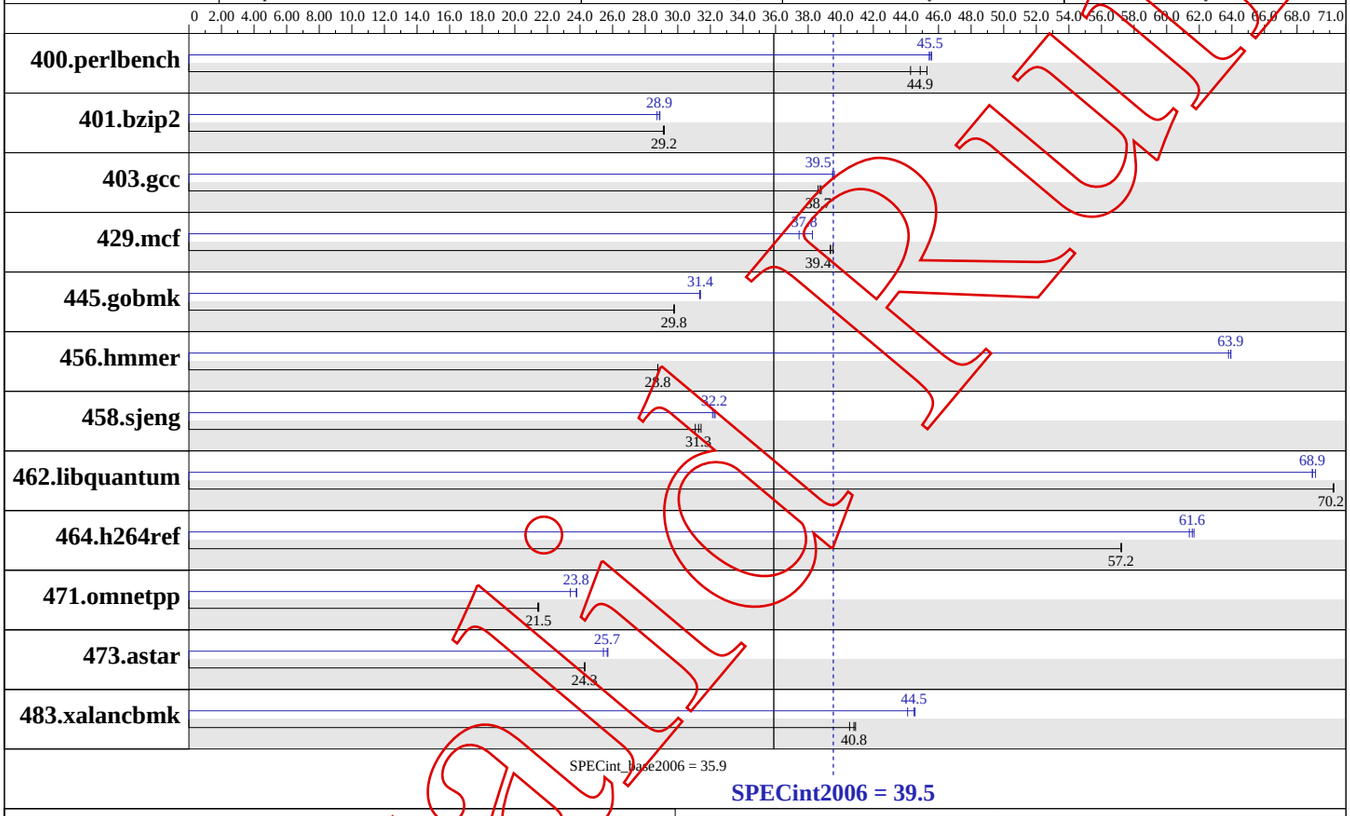
SPECint®2006 = 39.5

SPECint_base2006 = 35.9

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




## 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.

Invalid Result

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## Results Table

| Benchmark | Base | | | | | | Peak | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench | **218** | **44.9** | 221 | 44.3 | 216 | 45.3 | **215** | **45.5** | 214 | 45.6 | 215 | 45.4 |
| 401.bzip2 | 331 | 29.2 | **331** | **29.2** | 331 | 29.1 | **334** | **28.9** | 334 | 28.9 | 336 | 28.7 |
| 403.gcc | 207 | 38.8 | 209 | 38.6 | **208** | **38.7** | 203 | 39.6 | **204** | **39.5** | 204 | 39.5 |
| 429.mcf | 232 | 39.4 | **232** | **39.4** | 231 | 39.5 | 244 | 37.4 | 238 | 38.3 | **241** | **37.8** |
| 445.gobmk | **352** | **29.8** | 352 | 29.8 | 352 | 29.8 | 334 | 31.4 | 335 | 31.3 | **334** | **31.4** |
| 456.hmmer | **324** | **28.8** | 324 | 28.8 | 324 | 28.8 | **146** | **63.9** | 146 | 63.9 | 146 | 63.8 |
| 458.sjeng | 385 | 31.4 | **387** | **31.3** | 389 | 31.1 | 375 | 32.3 | 377 | 32.1 | **375** | **32.2** |
| 462.libquantum | **295** | **70.2** | 295 | 70.2 | 295 | 70.2 | **301** | **68.9** | 300 | 69.1 | 301 | 68.9 |
| 464.h264ref | 387 | 57.2 | 387 | 57.2 | **387** | **57.2** | **359** | **61.6** | 359 | 61.7 | 360 | 61.4 |
| 471.omnetpp | 291 | 21.5 | 292 | 21.4 | **291** | **21.5** | 267 | 23.4 | **263** | **23.8** | 263 | 23.8 |
| 473.astar | 289 | 24.3 | **289** | **24.3** | 289 | 24.3 | **273** | **25.7** | 276 | 25.4 | 273 | 25.7 |
| 483.xalancbmk | **169** | **40.8** | 170 | 40.5 | 169 | 40.9 | 156 | 44.1 | **155** | **44.5** | 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" (in LD)
"-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" (in LD)
"-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" (in LD)
"-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" (in LD)
"-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" (in LD)
"-O2 -mtune=generic" (in COPTIMIZE)

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## Base Unknown Flags (Continued)

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" (in LD)
"-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" (in LD)
"-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" (in LD)
"-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" (in LD)
"-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" (in LD)
"-O2 -mtune=generic" (in CXXOPTIMIZE)

473.astar: "/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" (in LD)
"-O2 -mtune=generic" (in CXXOPTIMIZE)

483.xalancbmk: "/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" (in LD)
"-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" (in LD)
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"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon" (in LD)
"-O2 -mtune=generic" (in COPTIMIZE)

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## Peak Unknown Flags (Continued)

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" (in LD)
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## Peak Unknown Flags (Continued)

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