# SPEC® CINT2006 Result

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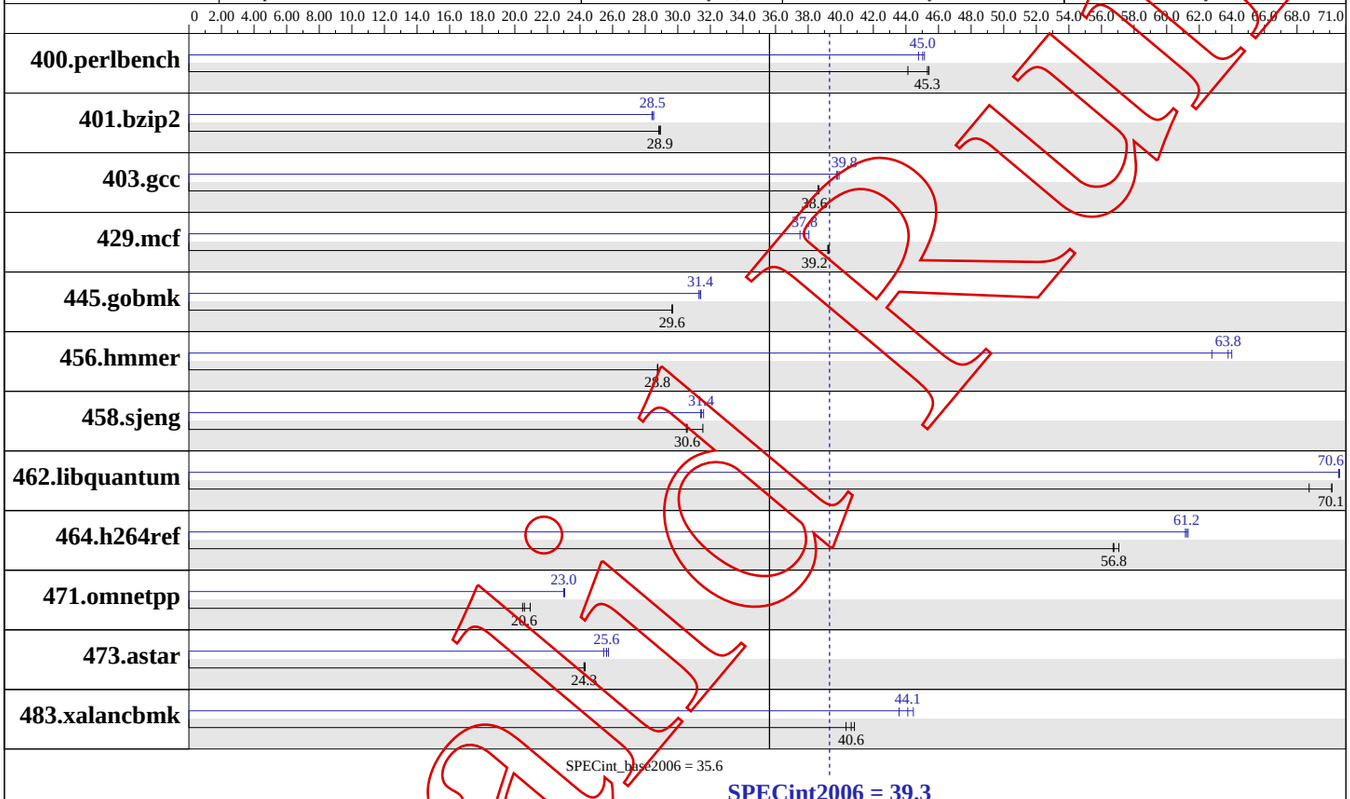
SPECint®2006 = 39.3

SPECint_base2006 = 35.6

CPU2006 license #: 0002991 | Test sponsor: | Test date: May 22, 2021 | Hardware Availability: Now | Software Availability: Now




## Hardware

| | |
|---|---|
| CPU Name: | -- |
| CPU Characteristics: | |
| CPU MHz: | 1166.909 |
| 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 20210523 (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 Run

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## Results Table

| Benchmark | Base | | | | | | Peak | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio | Seconds | Ratio |
| 400.perlbench | 221 | 44.1 | 215 | 45.4 | **216** | **45.3** | 216 | 45.1 | **217** | **45.0** | 218 | 44.8 |
| 401.bzip2 | **334** | **28.9** | 334 | 28.9 | 335 | 28.8 | **339** | **28.5** | 338 | 28.5 | 340 | 28.4 |
| 403.gcc | 208 | 38.7 | **208** | **38.6** | 209 | 38.6 | 202 | 39.8 | 202 | 39.9 | **202** | **39.8** |
| 429.mcf | **232** | **39.2** | 233 | 39.2 | 232 | 39.3 | 243 | 37.5 | 240 | 38.0 | **241** | **37.8** |
| 445.gobmk | 354 | 29.6 | **354** | **29.6** | 353 | 29.7 | **334** | **31.4** | 335 | 31.3 | 334 | 31.4 |
| 456.hmmer | 324 | 28.8 | **324** | **28.8** | 324 | 28.8 | 149 | 62.8 | **146** | **63.8** | 146 | 64.0 |
| 458.sjeng | **396** | **30.6** | 384 | 31.5 | 396 | 30.5 | 385 | 31.4 | 383 | 31.6 | **385** | **31.4** |
| 462.libquantum | **295** | **70.1** | 295 | 70.1 | 301 | 68.7 | **294** | **70.6** | 293 | 70.6 | 294 | 70.6 |
| 464.h264ref | **390** | **56.8** | 390 | 56.7 | 388 | 57.1 | 361 | 61.3 | **361** | **61.2** | 362 | 61.1 |
| 471.omnetpp | 305 | 20.5 | 298 | 20.9 | **304** | **20.6** | 272 | 23.0 | **272** | **23.0** | 271 | 23.1 |
| 473.astar | 289 | 24.3 | 290 | 24.2 | **289** | **24.3** | **274** | **25.6** | 276 | 25.5 | 273 | 25.7 |
| 483.xalancbmk | **170** | **40.6** | 171 | 40.3 | 169 | 40.8 | 155 | 44.5 | **156** | **44.1** | 158 | 43.6 |

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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Unpublished

## 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)
"-std=gnu89" (in CPORTABILITY)
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"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon" (in LD)
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403.gcc: "/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)

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)
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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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Invalid Run

## 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)
"-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)
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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)
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"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon" (in LD)
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Invalid

## Peak Unknown Flags (Continued)

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)
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"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/g++ -fcommon" (in LD)
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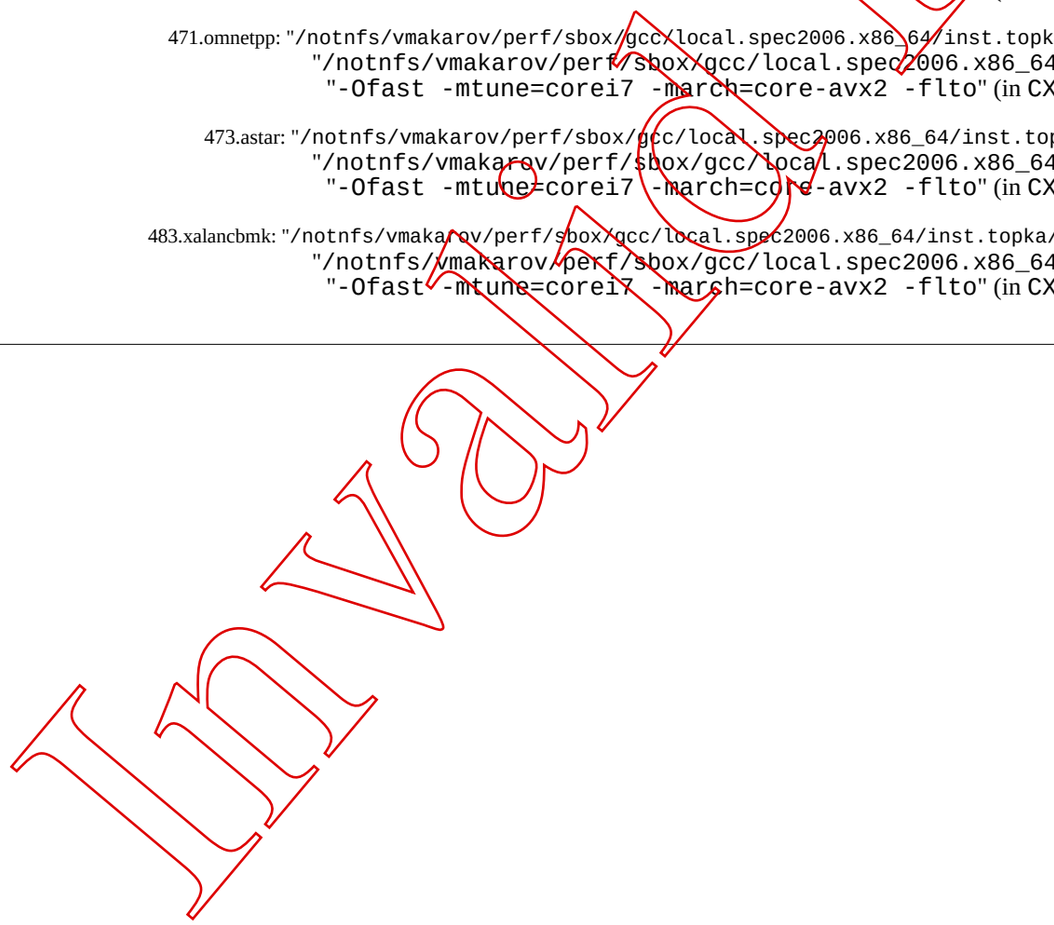
"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in CXXOPTIMIZE)





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