SPEC® CINT2006 Result

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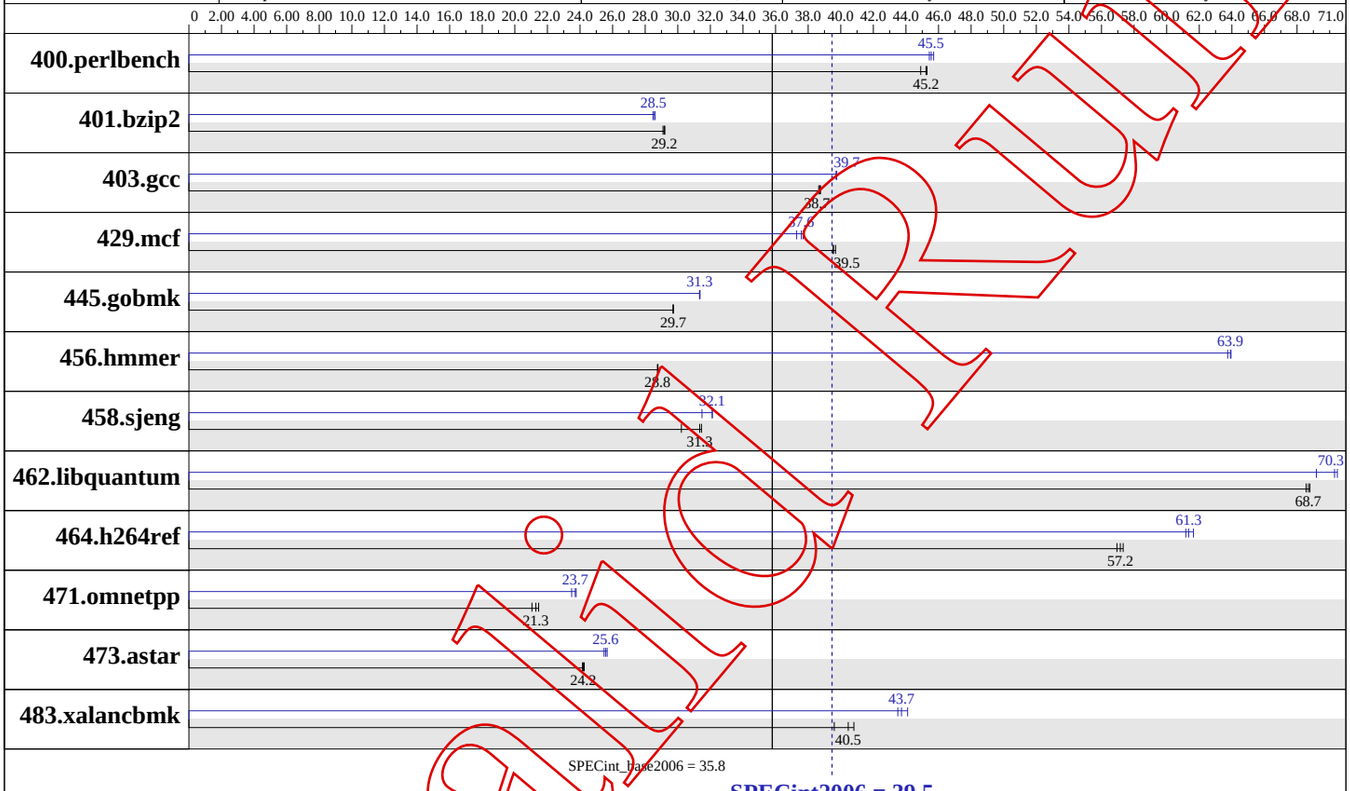
SPECint®2006 = 39.5

SPECint_base2006 = 35.8

CPU2006 license #: 0002991 | Test sponsor: | Test date: Jun 08, 2021 | Hardware Availability: Now | Software Availability: Now



Hardware

CPU Name:	--
CPU Characteristics:	
CPU MHz:	1696.387
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 20210609 (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	218	44.9	**216**	**45.2**	216	45.3	214	45.7	215	45.4	**214**	**45.5**
401.bzip2	330	29.2	**331**	**29.2**	332	29.1	339	28.5	337	28.6	**338**	**28.5**
403.gcc	208	38.6	**208**	**38.7**	208	38.8	203	39.7	**203**	**39.7**	202	39.8
429.mcf	231	39.5	**231**	**39.5**	230	39.7	245	37.3	**243**	**37.6**	242	37.7
445.gobmk	353	29.7	**353**	**29.7**	353	29.7	**335**	**31.3**	335	31.3	334	31.4
456.hmmer	324	28.8	324	28.8	**324**	**28.8**	146	63.7	**146**	**63.9**	146	63.9
458.sjeng	385	31.5	400	30.2	**386**	**31.3**	377	32.1	**377**	**32.1**	384	31.5
462.libquantum	**302**	**68.7**	302	68.6	301	68.8	299	69.2	**295**	**70.3**	294	70.5
464.h264ref	389	56.9	**387**	**57.2**	386	57.3	359	61.6	362	61.2	**361**	**61.3**
471.omnetpp	**294**	**21.3**	297	21.1	291	21.5	266	23.5	263	23.8	**264**	**23.7**
473.astar	289	24.3	291	24.1	**290**	**24.2**	273	25.7	276	25.5	**274**	**25.6**
483.xalancbmk	**171**	**40.5**	174	39.6	169	40.8	159	43.5	156	44.1	**158**	**43.7**

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)
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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)
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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)
"-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)
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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)
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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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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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464.h264ref: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon" (in CC)
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Peak Unknown Flags (Continued)

458.sjeng: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon" (in CC)
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Invalid run

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