SPEC® CINT2006 Result

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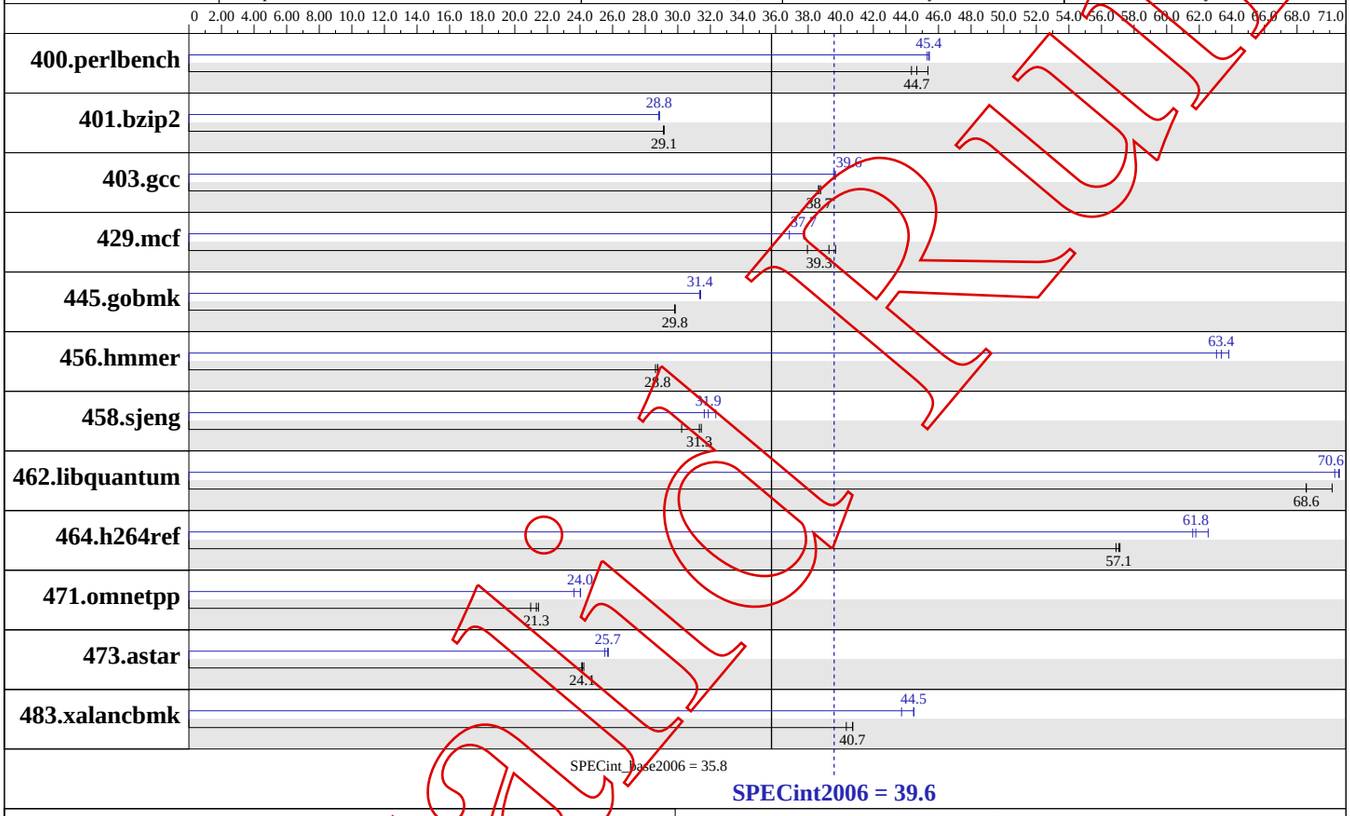
SPECint®2006 = 39.6

SPECint_base2006 = 35.8

CPU2006 license #: 0002991 | Test sponsor: | Test date: Jun 12, 2021 | Hardware Availability: Now | Software Availability: Now



Hardware

CPU Name:	--
CPU Characteristics:	
CPU MHz:	1140.883
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 20210613 (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	**219**	**44.7**	215	45.4	220	44.3	215	45.4	216	45.3	**215**	**45.4**
401.bzip2	331	29.2	**331**	**29.1**	331	29.1	335	28.8	334	28.9	**335**	**28.8**
403.gcc	208	38.6	**208**	**38.7**	208	38.8	203	39.7	**203**	**39.6**	203	39.6
429.mcf	**232**	**39.3**	230	39.7	240	38.0	248	36.8	**242**	**37.7**	241	37.8
445.gobmk	352	29.8	352	29.8	**352**	**29.8**	335	31.4	334	31.4	**334**	**31.4**
456.hmmer	**324**	**28.8**	324	28.8	326	28.6	**147**	**63.4**	148	63.1	146	63.8
458.sjeng	400	30.2	385	31.4	**386**	**31.3**	**380**	**31.9**	383	31.6	374	32.3
462.libquantum	302	68.6	295	70.2	**302**	**68.6**	**294**	**70.6**	294	70.6	295	70.3
464.h264ref	387	57.1	**388**	**57.1**	389	56.9	359	61.6	354	62.5	**358**	**61.8**
471.omnetpp	298	21.0	291	21.5	**293**	**21.3**	264	23.6	**260**	**24.0**	260	24.0
473.astar	290	24.2	291	24.1	**291**	**24.1**	273	25.7	275	25.5	**273**	**25.7**
483.xalancbmk	169	40.7	171	40.3	**169**	**40.7**	**155**	**44.5**	158	43.7	155	44.5

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)
"-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)
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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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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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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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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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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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