SPEC® CINT2006 Result
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	SPECint®2006 =	39.6
	SPECint_base2006 =	35.7

CPU2006 license #: 0002991 Test sponsor: Test date: Jun 10, 2021 Hardware Availability: Now Software Availability: Now

Benchmark	base	peak
400.perlbench	45.3	45.4
401.bzip2	29.2	28.8
403.gcc	38.7	39.5
429.mcf	39.2	37.7
445.gobmk	29.8	31.4
456.hmmer	25.8	63.9
458.sjeng	30.5	32.4
462.libquantum	68.8	70.3
464.h264ref	57.1	61.6
471.omnetpp	21.3	23.9
473.astar	24.3	25.7
483.xalancbmk	40.8	44.5

SPECint_base2006 = 35.7

SPECint2006 = 39.6

Hardware

CPU Name:	--
CPU Characteristics:	
CPU MHz:	1121.430
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:	16280464 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	217	44.9	**216**	**45.3**	215	45.3	**215**	**45.4**	216	45.2	214	45.6
401.bzip2	331	29.1	331	29.2	**331**	**29.2**	**335**	**28.8**	336	28.7	335	28.8
403.gcc	208	38.8	209	38.6	**208**	**38.7**	**204**	**39.5**	202	39.8	204	39.5
429.mcf	230	39.7	**233**	**39.2**	235	38.8	243	37.5	242	37.7	**242**	**37.7**
445.gobmk	353	29.8	**353**	**29.8**	352	29.8	**335**	**31.4**	334	31.4	335	31.3
456.hmmer	325	28.7	**324**	**28.8**	324	28.8	146	63.8	**146**	**63.9**	146	63.9
458.sjeng	**397**	**30.5**	384	31.5	399	30.3	373	32.5	374	32.3	**374**	**32.4**
462.libquantum	**301**	**68.8**	302	68.6	295	70.2	**295**	**70.3**	300	69.1	294	70.4
464.h264ref	385	57.4	**387**	**57.1**	388	57.0	**359**	**61.6**	359	61.6	359	61.7
471.omnetpp	295	21.2	293	21.3	**294**	**21.3**	**261**	**23.9**	260	24.0	264	23.7
473.astar	289	24.3	**289**	**24.3**	291	24.1	**273**	**25.7**	273	25.7	274	25.6
483.xalancbmk	169	40.9	172	40.2	**169**	**40.8**	154	44.7	**155**	**44.5**	159	43.5

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

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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 -fcom
"-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 -fcom
"-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 -fcom
"-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 -fcom
"-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++ -fcom
"-O2 -mtune=generic" (in CXXOPTIMIZE)

473.astar: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/g++ -fcommon" (in CXX)
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"-std=gnu89" (in CPORTABILITY)
"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in COPTIMIZE)

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"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcom
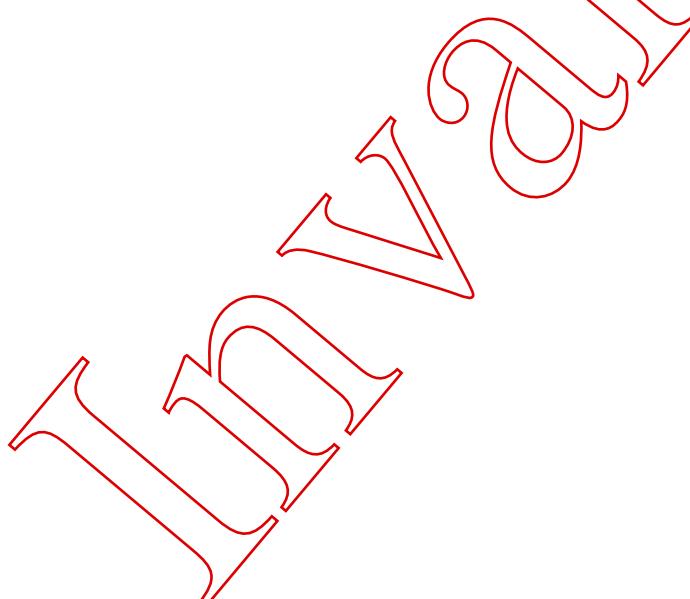"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in COPTIMIZE)

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 -fcom
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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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