

SPEC® CINT2006 Result

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SPECint®2006 = 39.3

SPECint_base2006 = 35.7

		Test sponsor:	Test date:	Jun 03, 2021	Hardware Availability:	Now	Software Availability:	Now
0	2.00 4.00 6.00 8.00 10.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0 26.0 28.0 30.0 32.0 34.0 36.0 38.0 40.0 42.0 44.0 46.0 48.0 50.0 52.0 54.0 56.0 58.0 60.0 62.0 64.0 66.0 68.0 71.0							
400.perlbench					44.8			
401.bzip2		28.5				45.3		
403.gcc			29.2					
429.mcf				37.7				
445.gobmk		31.4				39.1		
456.hmmmer			29.8					63.9
458.sjeng				32.1				
462.libquantum				30.3				69.1
464.h264ref								57.0
471.omnetpp		23.8						
473.astar			21.2					
483.xalancbmk				25.3				
				24.2				
						44.1		
								40.5
SPECint_base2006 = 35.7								
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Hardware

CPU Name: --
CPU Characteristics: --
CPU MHz: 3123.568
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 20210604 (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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Now

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio										
400.perlbench	218	44.9	216	45.3	215	45.4	219	44.7	217	44.9	218	44.8
401.bzip2	331	29.2	331	29.2	330	29.2	339	28.5	340	28.3	339	28.5
403.gcc	209	38.6	208	38.6	209	38.5	203	39.7	203	39.6	202	39.8
429.mcf	233	39.1	235	38.7	232	39.3	241	37.8	280	32.6	243	37.5
445.gobmk	352	29.8	353	29.7	352	29.8	335	31.4	335	31.3	334	31.4
456.hammer	324	28.8	324	28.8	324	28.8	146	63.9	147	63.3	146	64.0
458.sjeng	397	30.5	399	30.3	399	30.3	376	32.1	374	32.3	377	32.1
462.libquantum	295	70.1	295	70.2	296	69.9	295	70.2	301	68.8	300	69.1
464.h264ref	388	57.0	386	57.3	390	56.8	362	61.1	358	61.8	361	61.3
471.omnetpp	302	20.7	294	21.2	294	21.2	263	23.7	263	23.8	263	23.8
473.astar	295	23.8	289	24.3	290	24.2	277	25.3	282	24.9	277	25.4
483.xalancbmk	171	40.3	169	40.8	170	40.5	195	44.4	157	44.1	157	43.8

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 -f1to

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 CPORATIBILITY)
 "-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.hmmr: "/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
"-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
"-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
"-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
"-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
"-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
"-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
"-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
"-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
"-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
"-O2 -mtune=generic" (in COPTIMIZE)

429.mcfc: "/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
"-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
"-O2 -mtune=generic" (in COPTIMIZE)

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Peak Unknown Flags (Continued)

456.hmmr: "/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
"-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
"-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
"-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
"-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
"-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
"-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
"-O2 -mtune=generic" (in CXXOPTIMIZE)

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
"-std=gnu89" (in CPORTRABILITY)
"-Ofast -mtune=corei7 -march=core-avx2 -flto" (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
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"-Ofast -mtune=corei7 -march=core-avx2 -flto" (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
"-Ofast -mtune=corei7 -march=core-avx2 -flto" (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
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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)
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon
"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in COPTIMIZE)

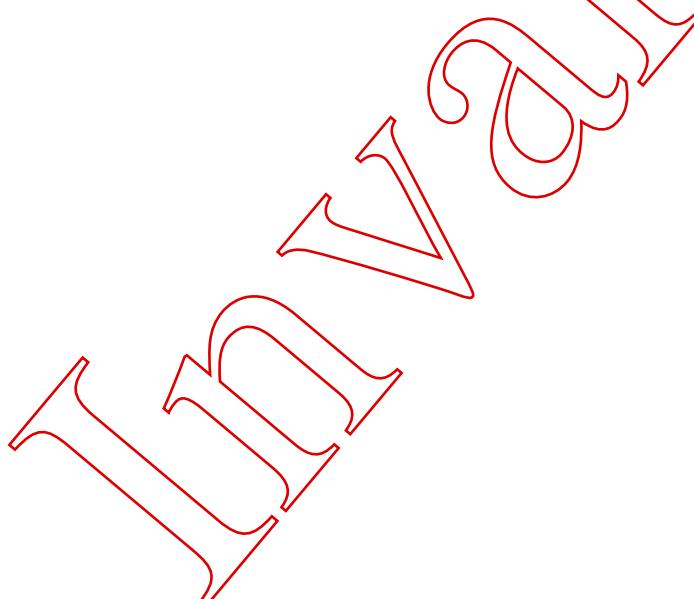
462.libquantum: "/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon" (in CC)
"/notnfs/vmakarov/perf/sbox/gcc/local.spec2006.x86_64/inst.topka/bin/gcc -fcommon
"-Ofast -mtune=corei7 -march=core-avx2 -flto" (in COPTIMIZE)

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