

# SPEC® CINT2006 Result

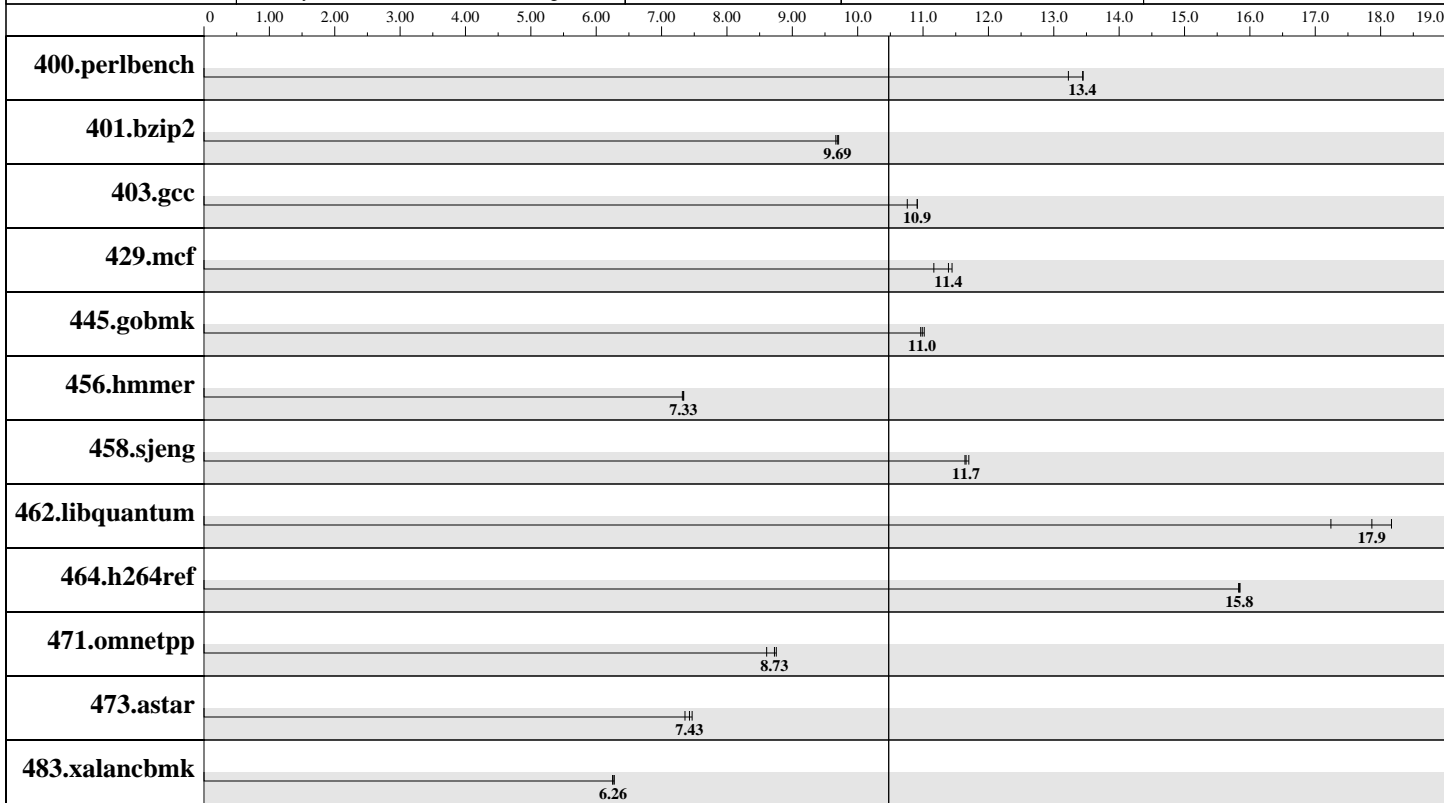
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Sti Tecnologias de la Informacion  
Intel Core 2 Duo 6300

SPECint®2006 = Not Run

SPECint\_base2006 = 10.5

CPU2006 license #: 2433 Test sponsor: DPT Comp.Sciences, Univ.Valladolid Test date: Nov-2007 Hardware Availability: Oct-2007 Software Availability: Oct-2007  
Tested by: Sergio Aldea



SPECint\_base2006 = 10.5

## Hardware

CPU Name: x86\_64 Intel Core 2 CPU E6300  
 CPU Characteristics: 1.86 GHz, 1066 MHz bus  
 CPU MHz: 1865  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
 CPU(s) orderable: 1 chip  
 Primary Cache: 32 KB I + 32 KB D on chip per core  
 Secondary Cache: 2 MB I+D on chip per core  
 L3 Cache: None  
 Other Cache: None  
 Memory: 3 GB (2x512MB + 2x1GB DDR2 667MHz)  
 Disk Subsystem: Seagate St3250820as 250GB SATA II (7200 rpm, 8MB Cache, ATA300)  
 Other Hardware: --

## Software

Operating System: Mandriva Linux release 2007.1 (Official) for i586  
 Compiler: gcc , g++ & gfortran 4.1.2 20070302 (prerelease)  
 Auto Parallel: No  
 File System: ext3  
 System State: runlevel 5  
 Base Pointers: 64-bit  
 Peak Pointers: 64-bit  
 Other Software: None

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## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	726	13.4	739	13.2	<u>727</u>	<u>13.4</u>						
401.bzip2	<u>996</u>	<u>9.69</u>	994	9.71	998	9.67						
403.gcc	748	10.8	<u>738</u>	<u>10.9</u>	738	10.9						
429.mcf	817	11.2	<u>801</u>	<u>11.4</u>	797	11.4						
445.gobmk	957	11.0	952	11.0	<u>955</u>	<u>11.0</u>						
456.hammer	1270	7.32	<u>1270</u>	<u>7.33</u>	1270	7.34						
458.sjeng	<u>1040</u>	<u>11.7</u>	1040	11.6	1030	11.7						
462.libquantum	1200	17.2	1140	18.2	<u>1160</u>	<u>17.9</u>						
464.h264ref	1400	15.8	<u>1400</u>	<u>15.8</u>	1400	15.8						
471.omnetpp	726	8.61	714	8.75	<u>716</u>	<u>8.73</u>						
473.astar	<u>945</u>	<u>7.43</u>	954	7.36	940	7.47						
483.xalancbmk	<u>1100</u>	<u>6.26</u>	1100	6.25	1100	6.28						

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

PORTABILITY=-DSPEC\_CPU\_LP64 is applied to all benchmarks in base.  
400.perlbench: -DSPEC\_CPU\_LINUX\_X64  
462.libquantum: -DSPEC\_CPU\_LINUX  
C base flags: -O3 -funroll-loops -fno-inline-functions -ftree-vectorize  
C++ base flags: -O3 -funroll-loops -fno-inline-functions -ftree-vectorize  
Fortran base flags: -O3 -funroll-loops -fno-inline-functions -ftree-vectorize

## Base Compiler Invocation

C benchmarks:  
gcc

C++ benchmarks:  
g++

## Base Portability Flags

C benchmarks (except as noted below):  
-DSPEC\_CPU\_LP64

400.perlbench: -DSPEC\_CPU\_LINUX\_X64 -DSPEC\_CPU\_LP64

403.gcc: -DSPEC\_CPU\_LP64

462.libquantum: -DSPEC\_CPU\_LINUX -DSPEC\_CPU\_LP64

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## Base Portability Flags (Continued)

C++ benchmarks:

471.omnetpp: -DSPEC\_CPU\_LP64

473.astar: -DSPEC\_CPU\_LITTLE\_ENDIAN -DSPEC\_CPU\_LP64

483.xalancbmk: -DSPEC\_CPU\_LINUX -DSPEC\_CPU\_LP64

## Base Optimization Flags

C benchmarks:

-O3 -funroll-loops -fno-inline-functions -ftree-vectorize

C++ benchmarks:

-O3 -funroll-loops -fno-inline-functions -ftree-vectorize

## Base Other Flags

C benchmarks:

No flags used

C++ benchmarks:

No flags used

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