

# SPEC® CFP2006 Result

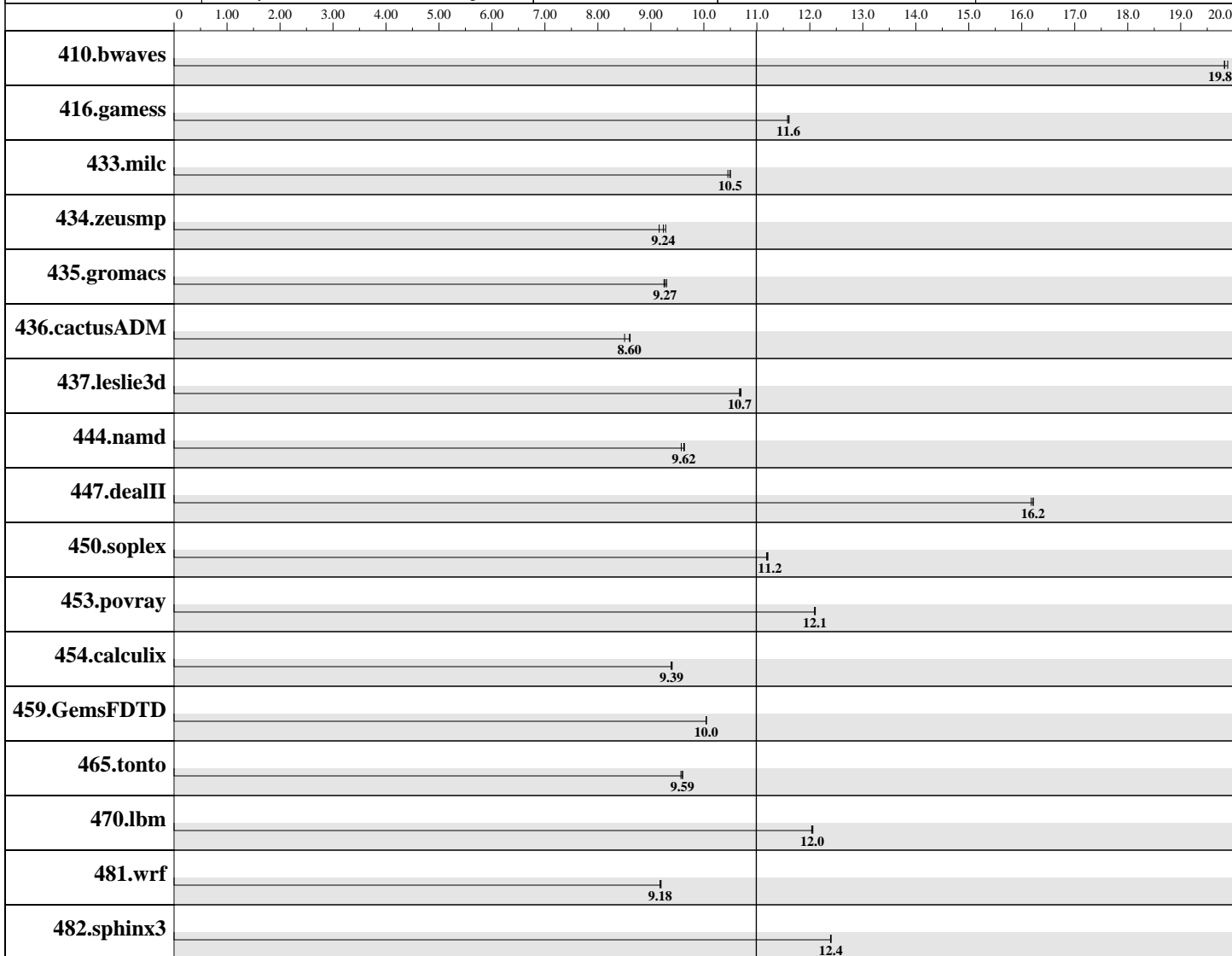
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Sti Tecnologias de la Informacion  
Intel Core 2 Duo 6300

SPECfp®2006 = Not Run

SPECfp\_base2006 = 11.0

CPU2006 license #: 2433 | Test sponsor: DPT Comp.Sciences, Univ.Valladolid | Test date: Mar-2008 | Hardware Availability: Oct-2007 | Software Availability: Feb-2008  
Tested by: Sergio Aldea



SPECfp\_base2006 = 11.0

## 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

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## Software

Operating System: Mandriva Linux release 2007.1 (Official) for i586  
 Compiler: Sun C 5.9 Linux\_i386 Patch 124871-01  
 Sun C++ 5.9 Linux\_i386 Patch 124865-01  
 Sun Fortran 95 8.3 Linux\_i386 Patch 127145-01  
 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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## Hardware (Continued)

Memory: 3 GB (2x512MB + 2x1GB DDR2 667MHz)  
Disk Subsystem: Seagate St3250820as 250GB SATA II  
(7200 rpm, 8MB Cache, ATA300)  
Other Hardware: --

## Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	686	19.8	683	19.9	<b>685</b>	<b>19.8</b>						
416.gamess	<b>1690</b>	<b>11.6</b>	1690	11.6	1690	11.6						
433.milc	878	10.5	874	10.5	<b>875</b>	<b>10.5</b>						
434.zeusmp	<b>985</b>	<b>9.24</b>	981	9.28	994	9.16						
435.gromacs	768	9.30	772	9.25	<b>770</b>	<b>9.27</b>						
436.cactusADM	<b>1390</b>	<b>8.60</b>	1390	8.61	1410	8.50						
437.leslie3d	878	10.7	<b>880</b>	<b>10.7</b>	881	10.7						
444.namd	838	9.57	833	9.63	<b>834</b>	<b>9.62</b>						
447.dealII	707	16.2	<b>706</b>	<b>16.2</b>	705	16.2						
450.soplex	744	11.2	746	11.2	<b>745</b>	<b>11.2</b>						
453.povray	440	12.1	440	12.1	<b>440</b>	<b>12.1</b>						
454.calculix	<b>878</b>	<b>9.39</b>	878	9.40	879	9.38						
459.GemsFDTD	1060	10.0	1060	10.0	<b>1060</b>	<b>10.0</b>						
465.tonto	1030	9.60	<b>1030</b>	<b>9.59</b>	1030	9.57						
470.lbm	1140	12.1	1140	12.0	<b>1140</b>	<b>12.0</b>						
481.wrf	1220	9.17	1220	9.19	<b>1220</b>	<b>9.18</b>						
482.sphinx3	1570	12.4	1570	12.4	<b>1570</b>	<b>12.4</b>						

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.  
C base flags: -fast -xarch=sse3 -m64  
C++ base flags: -fast -xarch=sse3 -m64 -library=stlport4 (except for 453.povray)  
Fortran base flags: -fast -xarch=sse3 -m64  
wrf\_data\_header\_size=4

## Base Compiler Invocation

C benchmarks:  
suncc

C++ benchmarks:  
CC

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## Base Compiler Invocation (Continued)

Fortran benchmarks:  
f90

Benchmarks using both Fortran and C:  
suncc f90

## Base Portability Flags

C benchmarks:  
-DSPEC\_CPU\_LP64

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

453.povray: -DSPEC\_CPU\_LP64

Fortran benchmarks:  
-DSPEC\_CPU\_LP64

Benchmarks using both Fortran and C (except as noted below):  
-DSPEC\_CPU\_LP64

436.cactusADM: -DSPEC\_CPU\_LP64

481.wrf: -DSPEC\_CPU\_LP64 -DSPEC\_CPU\_LINUX -DSPEC\_CPU\_CASE\_FLAG

## Base Optimization Flags

C benchmarks:  
-fast -xarch=sse3 -m64

C++ benchmarks (except as noted below):  
-fast -library=stlport4 -xarch=sse3 -m64

453.povray: -fast -xarch=sse3 -m64

Fortran benchmarks:  
-fast -xarch=sse3 -m64

Benchmarks using both Fortran and C:  
-fast(cc) -fast(f90) -xarch=sse3 -m64

## Base Other Flags

C benchmarks:  
No flags used

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## Base Other Flags (Continued)

C++ benchmarks:

No flags used

Fortran benchmarks:

No flags used

Benchmarks using both Fortran and C:

No flags used

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