

SPEC® CFP2006 Result

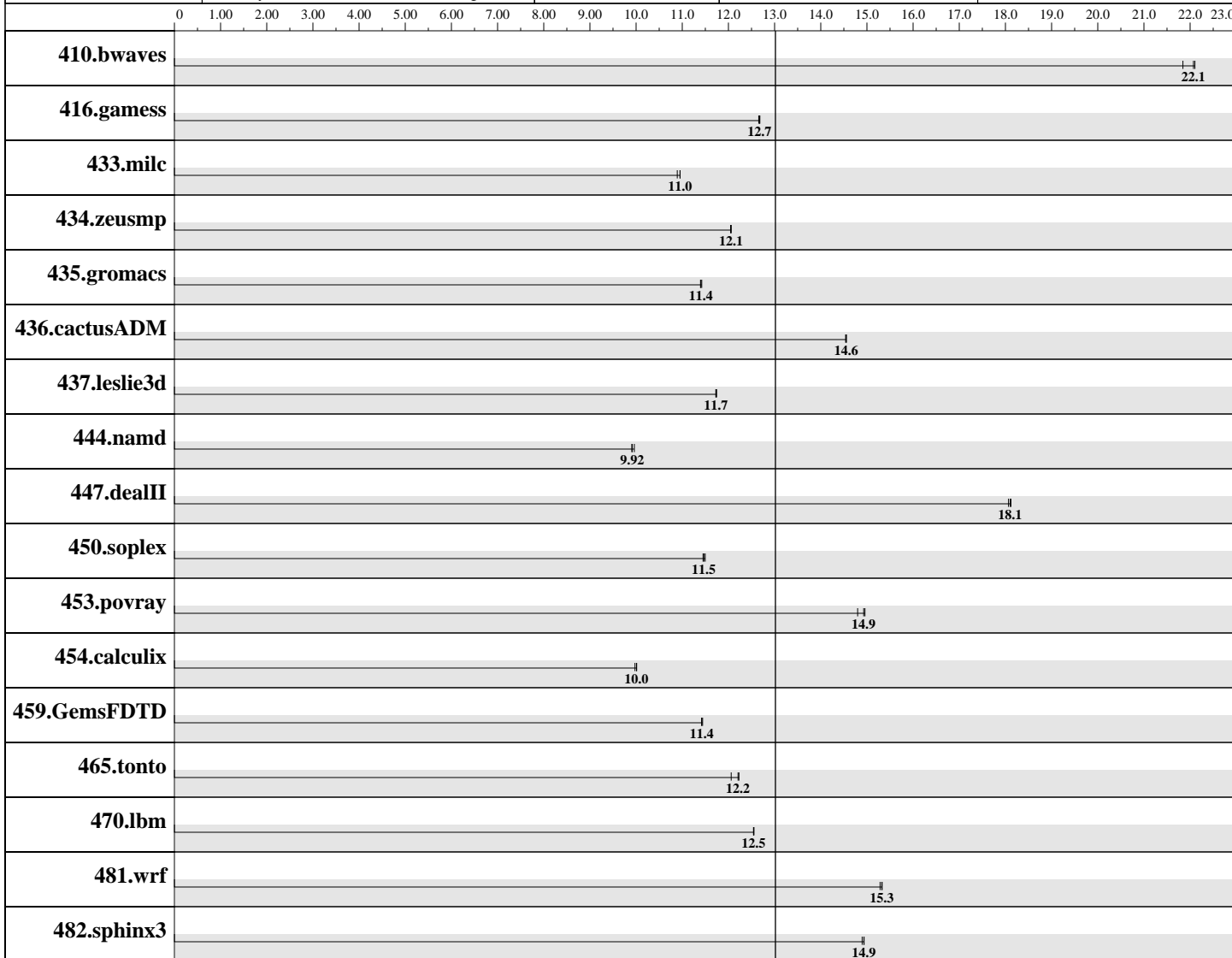
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Sti Tecnologias de la Informacion
Intel Core 2 Duo 6300

SPECfp®2006 = Not Run

SPECfp_base2006 = 13.0

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



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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: Intel C++ Compiler 10.0 Professional Edition for Linux (20070809)
 Intel Fortran Compiler 10.0 Professional Edition for Linux (20070809)
 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	622	21.8	616	22.1	615	22.1						
416.gamess	1540	12.7	1550	12.7	1540	12.7						
433.milc	843	10.9	838	11.0	838	11.0						
434.zeusmp	755	12.1	755	12.1	755	12.0						
435.gromacs	625	11.4	626	11.4	627	11.4						
436.cactusADM	821	14.6	821	14.6	822	14.5						
437.leslie3d	801	11.7	802	11.7	800	11.7						
444.namd	805	9.96	809	9.92	810	9.91						
447.dealII	631	18.1	632	18.1	633	18.1						
450.soplex	727	11.5	728	11.5	725	11.5						
453.povray	359	14.8	356	14.9	356	15.0						
454.calculix	824	10.0	827	9.98	824	10.0						
459.GemsFDTD	929	11.4	929	11.4	927	11.4						
465.tonto	816	12.1	805	12.2	806	12.2						
470.lbm	1090	12.6	1100	12.5	1090	12.5						
481.wrf	731	15.3	729	15.3	729	15.3						
482.sphinx3	1310	14.9	1300	14.9	1310	14.9						

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: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops
C++ base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops
Fortran base flags: -O3 -ipo -xW -no-prec-div -axW -funroll-all-loops
wrf_data_header_size=4 for Intel Compiler

Base Compiler Invocation

C benchmarks:
icc

C++ benchmarks:
icpc

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Base Compiler Invocation (Continued)

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icc ifort

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:
-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

C++ benchmarks:
-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

Fortran benchmarks:
-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

Benchmarks using both Fortran and C (except as noted below):
-O3 -ipo -no-prec-div -funroll-all-loops -axW -xW -nofor-main(*)

481.wrf: -O3 -ipo -no-prec-div -funroll-all-loops -axW -xW

(*) Indicates an optimization flag that was found in a portability variable.

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Base Other Flags

C benchmarks:

No flags used

C++ benchmarks:

No flags used

Fortran benchmarks:

No flags used

Benchmarks using both Fortran and C:

No flags used

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