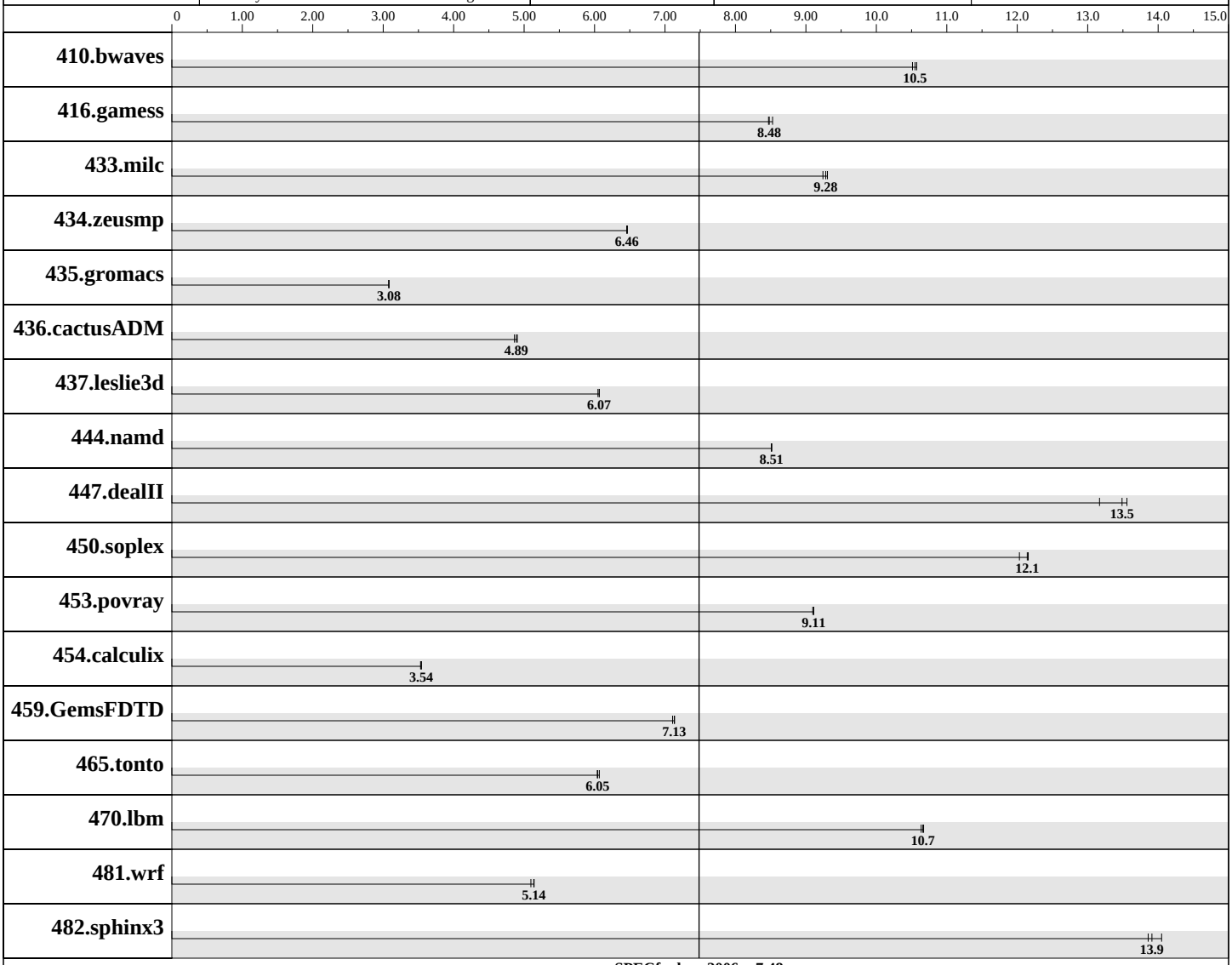
SPEC® CFP2006 Result

Sti Tecnologias de la Informacion
Intel Core 2 Duo 6300

SPECfp®2006 = Not Run

SPECfp_base2006 = 7.48

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



SPECfp_base2006 = 7.48

Hardware

CPU Name:	i686 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:	gcc , g++ & gfortran 4.1.2 20070302 (prerelease)
Auto Parallel:	No
File System:	ext3
System State:	runlevel 5
Base Pointers:	32-bit
Peak Pointers:	32-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	1290	10.5	1290	10.6	**1290**	**10.5**						
416.gamess	2300	8.53	2310	8.47	**2310**	**8.48**						
433.milc	**989**	**9.28**	993	9.24	987	9.31						
434.zeusmp	1410	6.47	1410	6.46	**1410**	**6.46**						
435.gromacs	2320	3.08	2320	3.08	**2320**	**3.08**						
436.cactusADM	2460	4.86	2440	4.90	**2440**	**4.89**						
437.leslie3d	1550	6.05	1550	6.07	**1550**	**6.07**						
444.namd	943	8.51	**942**	**8.51**	942	8.52						
447.dealII	844	13.6	**848**	**13.5**	869	13.2						
450.soplex	693	12.0	**687**	**12.1**	686	12.2						
453.povray	584	9.11	585	9.10	**584**	**9.11**						
454.calculix	2340	3.53	2330	3.54	**2330**	**3.54**						
459.GemsFDTD	1490	7.11	**1490**	**7.13**	1490	7.14						
465.tonto	1620	6.07	**1630**	**6.05**	1630	6.04						
470.lbm	1290	10.6	**1290**	**10.7**	1290	10.7						
481.wrf	2190	5.10	2170	5.14	**2170**	**5.14**						
482.sphinx3	1390	14.0	1410	13.9	**1400**	**13.9**						

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

General Notes

```
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
wrf needs wrf_data_header_size=8
to read the unformatted data input file correctly
This i sbecause gcc 4.2 still expects 8 byte
by default (at least with the 20060715 snapshot)
```

Base Compiler Invocation

C benchmarks:
gcc

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Base Compiler Invocation (Continued)

C++ benchmarks:
g++

Fortran benchmarks:
gfortran

Benchmarks using both Fortran and C:
gcc gfortran

Base Portability Flags

C benchmarks:
No flags used

C++ benchmarks:
No flags used

Fortran benchmarks:
No flags used

Benchmarks using both Fortran and C (except as noted below):
No flags used

481.wrf: -DSPEC_CPU_LINUX -DSPEC_CPU_CASE_FLAG

Base Optimization Flags

C benchmarks:
-O3 -funroll-loops -fno-inline-functions -ftree-vectorize

C++ benchmarks:
-O3 -funroll-loops -fno-inline-functions -ftree-vectorize

Fortran benchmarks:
-O3 -funroll-loops -fno-inline-functions -ftree-vectorize

Benchmarks using both Fortran and C:
-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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Base Other Flags (Continued)

Fortran benchmarks:
```
No flags used
```

Benchmarks using both Fortran and C:
```
No flags used
```