SPEC® CFP2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

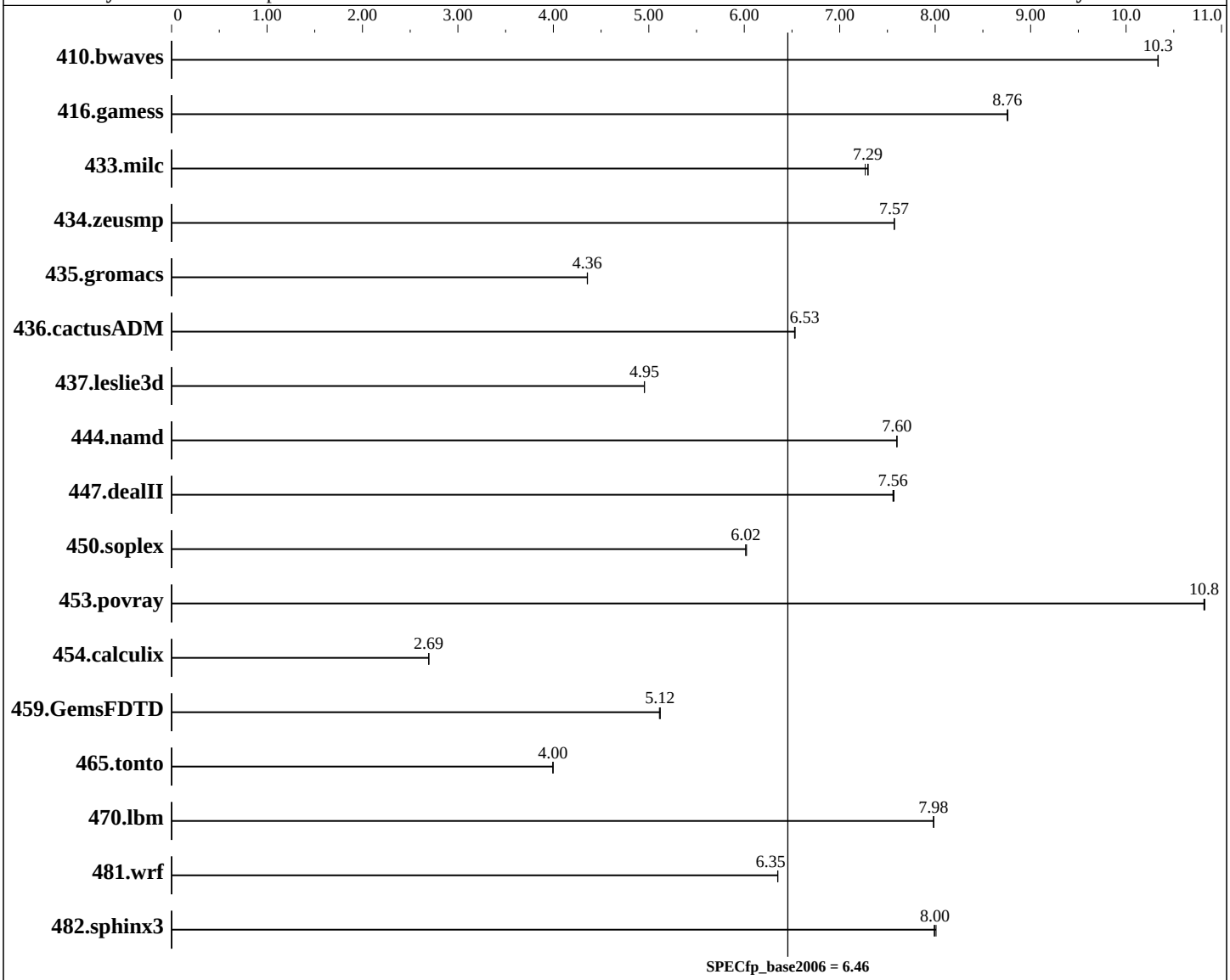
Compaq 6515B (AMD Turion 64 X2 TL-56)

SPECfp®2006 = Not Run

SPECfp_base2006 = 6.46

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jun-2007
Hardware Availability: Jun-2007
Software Availability: Feb-2007



Hardware

CPU Name:	AMD Turion 64 X2 TL-56
CPU Characteristics:	1.8 GHz 2x512KB L2
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	64 KB I + 64 KB D on chip per core
Secondary Cache:	512 KB I+D on chip per core

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Software

Operating System:	Windows Vista32 Business
Compiler:	Intel C++ Compiler for IA32 version 9.1 Build no 20060816 Intel Fortran Compiler for IA32 version 9.1 Build no 20060816
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit

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L3 Cache: None
Other Cache: None
Memory: 2 GB (2x1GB Qimonda HYS64T128021HDL-3S-B DDR2-667 CL5)
Disk Subsystem: Hitachi 100GB 5400rpm SATA HDD
Other Hardware: None

Peak Pointers: Not Applicable
Other Software: SmartHeap Library Version 8.0 from http://www.microquill.com/

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	**1315**	**10.3**	1315	10.3	1315	10.3						
416.gamess	2236	8.76	2235	8.76	**2236**	**8.76**						
433.milc	1263	7.27	1258	7.30	**1259**	**7.29**						
434.zeusmp	1202	7.57	**1202**	**7.57**	1201	7.57						
435.gromacs	1639	4.36	1638	4.36	**1639**	**4.36**						
436.cactusADM	1829	6.53	**1830**	**6.53**	1831	6.53						
437.leslie3d	**1898**	**4.95**	1898	4.95	1897	4.95						
444.namd	1055	7.60	**1055**	**7.60**	1056	7.60						
447.dealII	1514	7.56	**1513**	**7.56**	1511	7.57						
450.soplex	**1386**	**6.02**	1386	6.02	1384	6.02						
453.povray	**492**	**10.8**	491	10.8	492	10.8						
454.calculix	3062	2.69	3061	2.69	**3062**	**2.69**						
459.GemsFDTD	2076	5.11	2073	5.12	**2073**	**5.12**						
465.tonto	**2462**	**4.00**	2464	3.99	2462	4.00						
470.lbm	1721	7.98	1720	7.99	**1721**	**7.98**						
481.wrf	**1759**	**6.35**	1759	6.35	1758	6.35						
482.sphinx3	2433	8.01	2439	7.99	**2437**	**8.00**						

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

General Notes

```
Binaries built on Windows XP Professional w/ SP2
Vista Power Profile set to High Performance
```

Base Compiler Invocation

C benchmarks:

```
icl -Qvc7.1 -Qc99
```

C++ benchmarks:

```
icl -Qvc7.1
```

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Base Compiler Invocation (Continued)

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icl -Qvc7.1 -Qc99 ifort

Base Portability Flags

436.cactusADM: -Qlowercase /assume:underscore
444.namd: -TP
447.dealII: -DDEAL_II_MEMBER_VAR_SPECIALIZATION_BUG -DBOOST_NO_INTRINSIC_WCHAR_T
453.povray: -DSPEC_CPU_WINDOWS_ICL
454.calculix: -DSPEC_CPU_NOZMODIFIER -Qlowercase
481.wrf: -DSPEC_CPU_WINDOWS_ICL

Base Optimization Flags

C benchmarks:
-arch:SSE2 -Qprec-div- -O3 -Qipo /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- -Qcxx_features /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:
-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- /F950000000 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:
-arch:SSE2 -Qprec-div- -O3 -Qipo -Oi- /F950000000 -link /FORCE:MULTIPLE

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.20090714.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.20090714.xml

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