SPEC® CFP2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

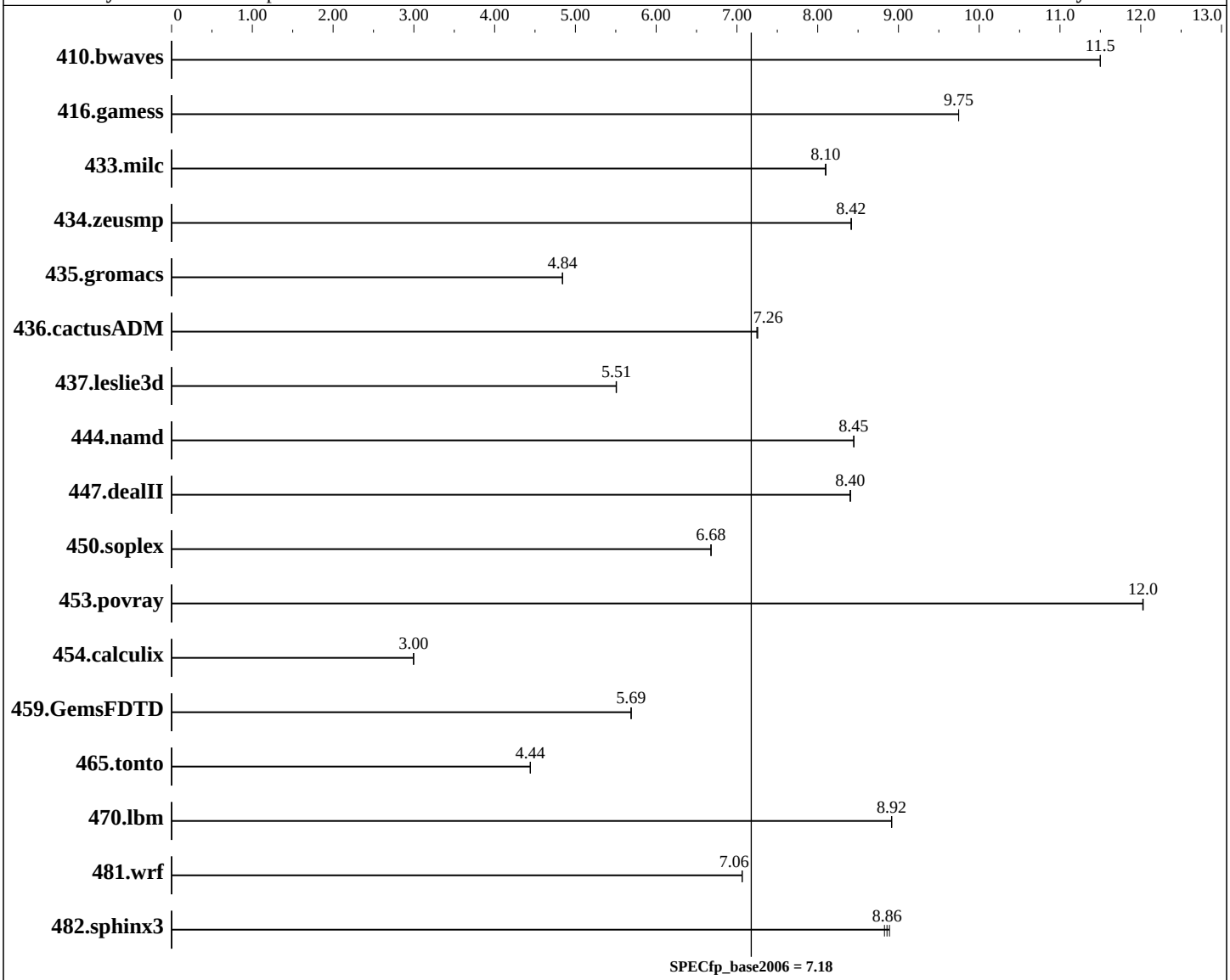
Compaq 6515B (AMD Turion 64 X2 TL-60)

SPECfp®2006 = Not Run

SPECfp_base2006 = 7.18

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-60
CPU Characteristics:	2.0 GHz 2x512KB L2
CPU MHz:	2000
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 Microsoft Visual Studio .Net 2003 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default

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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

Base Pointers: 32-bit
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	**1182**	**11.5**	1182	11.5	1182	11.5						
416.gamess	2009	9.74	**2009**	**9.75**	2009	9.75						
433.milc	1134	8.10	1133	8.10	**1133**	**8.10**						
434.zeusmp	**1081**	**8.42**	1082	8.41	1081	8.42						
435.gromacs	1475	4.84	**1475**	**4.84**	1475	4.84						
436.cactusADM	1649	7.25	1647	7.26	**1647**	**7.26**						
437.leslie3d	1708	5.50	**1707**	**5.51**	1707	5.51						
444.namd	950	8.45	**950**	**8.45**	949	8.45						
447.dealII	1361	8.41	1362	8.40	**1361**	**8.40**						
450.soplex	1248	6.68	**1249**	**6.68**	1249	6.68						
453.povray	442	12.0	**442**	**12.0**	442	12.0						
454.calculix	**2754**	**3.00**	2754	3.00	2754	3.00						
459.GemsFDTD	**1865**	**5.69**	1864	5.69	1865	5.69						
465.tonto	2215	4.44	2215	4.44	**2215**	**4.44**						
470.lbm	1541	8.91	1541	8.92	**1541**	**8.92**						
481.wrf	1581	7.07	**1581**	**7.06**	1581	7.06						
482.sphinx3	2193	8.89	2208	8.83	**2200**	**8.86**						

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
```

Continued on next page

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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