SPEC® CFP2006 Result

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Hewlett-Packard Company

(Test Sponsor: Intel Corporation)

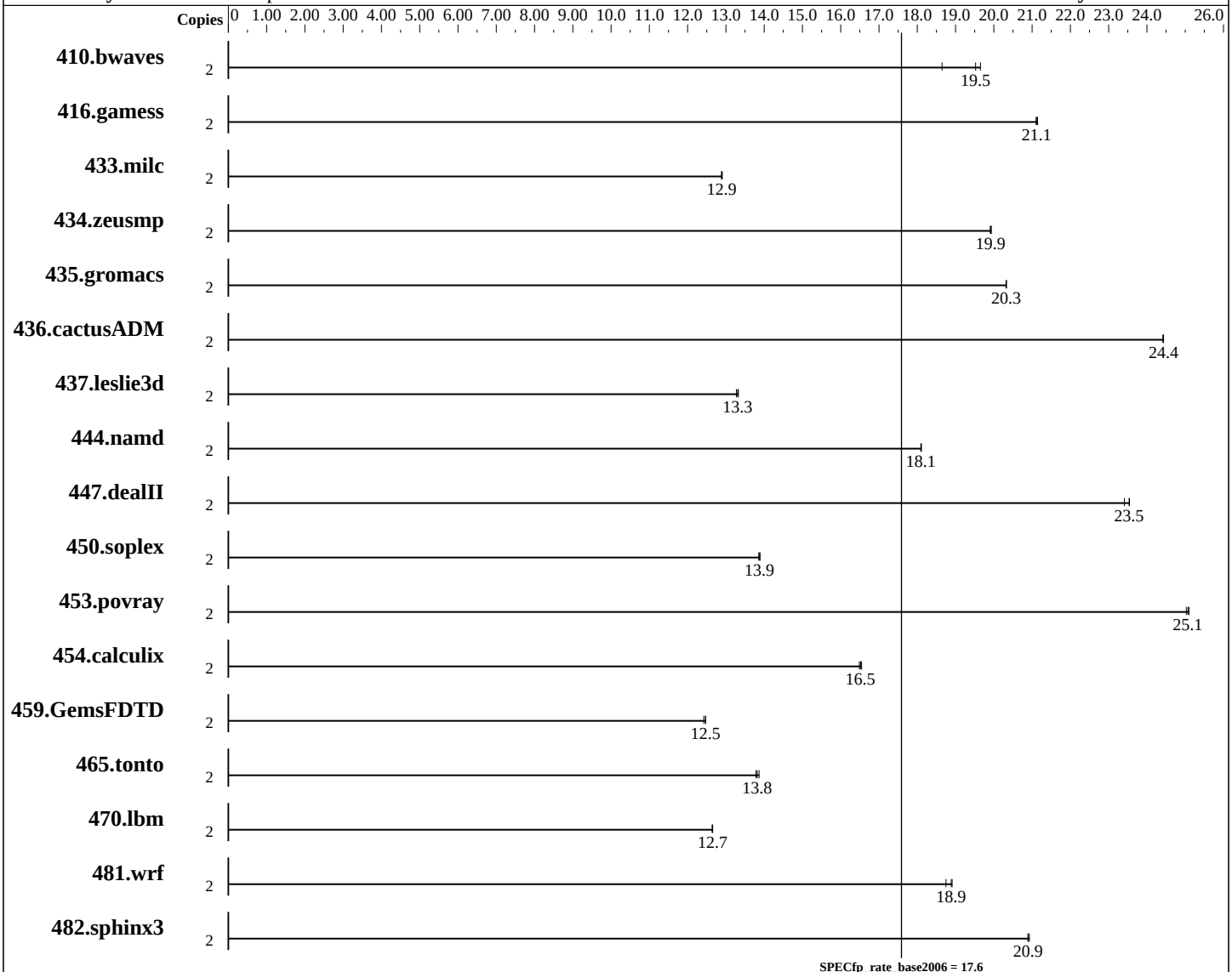
HP dv2000 (Intel Core 2 Duo T7100)

SPECfp®_rate2006 = Not Run

SPECfp_rate_base2006 = 17.6

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:	Intel Core 2 Duo T7100
CPU Characteristics:	1.8 GHz 2MB L2
CPU MHz:	1800
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 chip

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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 Micron MT16HTF12864HY-667B3 DDR2-667 CL5)
Disk Subsystem: Fujitsu 120GB 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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	**1392**	**19.5**	1383	19.7	1458	18.6							
416.gamess	2	1855	21.1	**1855**	**21.1**	1852	21.1							
433.milc	2	1425	12.9	1423	12.9	**1425**	**12.9**							
434.zeusmp	2	914	19.9	913	19.9	**914**	**19.9**							
435.gromacs	2	**703**	**20.3**	702	20.3	703	20.3							
436.cactusADM	2	979	24.4	978	24.4	**978**	**24.4**							
437.leslie3d	2	1411	13.3	**1413**	**13.3**	1416	13.3							
444.namd	2	886	18.1	886	18.1	**886**	**18.1**							
447.dealII	2	977	23.4	**972**	**23.5**	972	23.5							
450.soplex	2	1201	13.9	1204	13.9	**1202**	**13.9**							
453.povray	2	425	25.0	424	25.1	**424**	**25.1**							
454.calculix	2	997	16.5	**999**	**16.5**	1001	16.5							
459.GemsFDTD	2	1702	12.5	**1702**	**12.5**	1708	12.4							
465.tonto	2	1427	13.8	**1424**	**13.8**	1419	13.9							
470.lbm	2	**2172**	**12.7**	2172	12.7	2174	12.6							
481.wrf	2	1192	18.7	1181	18.9	**1183**	**18.9**							
482.sphinx3	2	1862	20.9	**1865**	**20.9**	1866	20.9							

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:
-fast /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

C++ benchmarks:
-fast -Qcxx_features /F950000000 shlw32m.lib -link /FORCE:MULTIPLE

Fortran benchmarks:
-fast /F950000000 -link /FORCE:MULTIPLE

Benchmarks using both Fortran and C:
-fast /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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For other inquiries, please contact webmaster@spec.org.

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