Hewlett-Packard Company

ProLiant DL360 G5
(1.86 GHz, Intel Xeon processor E5320)

SPEC CFP2006 Result

SPECfp_rate2006 = 43.7
SPECfp_rate_base2006 = 43.0

CPU2006 license: 3
Test sponsor: Hewlett-Packard Company
Tested by: Hewlett-Packard Company

L3 Cache: None
Other Cache: None
Memory: 16 GB (8x2 GB PC2-5300F CL5)
Disk Subsystem: 2x72 GB 10k SAS
Other Hardware: None

File System: ext2
System State: Multi-user run level 3
Base Pointers: 64-bit
Peak Pointers: 32/64-bit
Other Software: None

Results Table

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<th>Ratio</th>
<th>Seconds</th>
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</table>

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

Platform Notes

Power Regulator set to Static High Performance Mode in BIOS.
Adjacent Sector Prefetch Disabled in BIOS.
"/usr/bin/taskset" used to bind processes to CPUs.
Environment stack size set to 'unlimited'

Base Compiler Invocation

C benchmarks:
  icc

C++ benchmarks:
  icpc

Continued on next page
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CPU2006 license: 3
Test sponsor: Hewlett-Packard Company
Tested by: Hewlett-Packard Company
Test date: Feb-2007
Hardware Availability: Jan-2007
Software Availability: Nov-2006

Base Compiler Invocation (Continued)

Fortran benchmarks:
  ifort

Benchmarks using both Fortran and C:
  icc ifort

Base Portability Flags

Fortran benchmarks:
  410. bwaves: -DSPEC_CPU_LP64
  416. gamess: -DSPEC_CPU_LP64
  433. milc: -DSPEC_CPU_LP64
  434. zeusmp: -DSPEC_CPU_LP64
  435. gromacs: -DSPEC_CPU_LP64 -nofor_main
  436. cactusADM: -DSPEC_CPU_LP64 -nofor_main
  437. leslie3d: -DSPEC_CPU_LP64
  444. namd: -DSPEC_CPU_LP64
  447. dealII: -DSPEC_CPU_LP64
  450. soplex: -DSPEC_CPU_LP64
  453. povray: -DSPEC_CPU_LP64
  454. calculix: -DSPEC_CPU_LP64 -nofor_main
  459. GemsFDTD: -DSPEC_CPU_LP64
  465. tonto: -DSPEC_CPU_LP64
  470. lbm: -DSPEC_CPU_LP64
  481. wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
  482. sphinx3: -DSPEC_CPU_LP64

Base Optimization Flags

C benchmarks:
  -fast

C++ benchmarks:
  -fast

Fortran benchmarks:
  -fast

Benchmarks using both Fortran and C:
  -fast

Peak Compiler Invocation

C benchmarks:
  icc

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Peak Compiler Invocation (Continued)

C++ benchmarks:
icpc

Fortran benchmarks:
ifort

Benchmarks using both Fortran and C:
icc ifort

Peak Portability Flags

Same as Base Portability Flags

Peak Optimization Flags

C benchmarks:
-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

C++ benchmarks:
-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

Fortran benchmarks:
-prof_gen(pass 1) -prof_use(pass 2) -fast

Benchmarks using both Fortran and C:
-prof_gen(pass 1) -prof_use(pass 2) -fast -auto_ilp32

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

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