

SPEC[®] CFP2006 Result

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azure
A2

SPECfp[®]_rate2006 = Not Run

SPECfp_rate_base2006 = 25.9

CPU2006 license: 4093

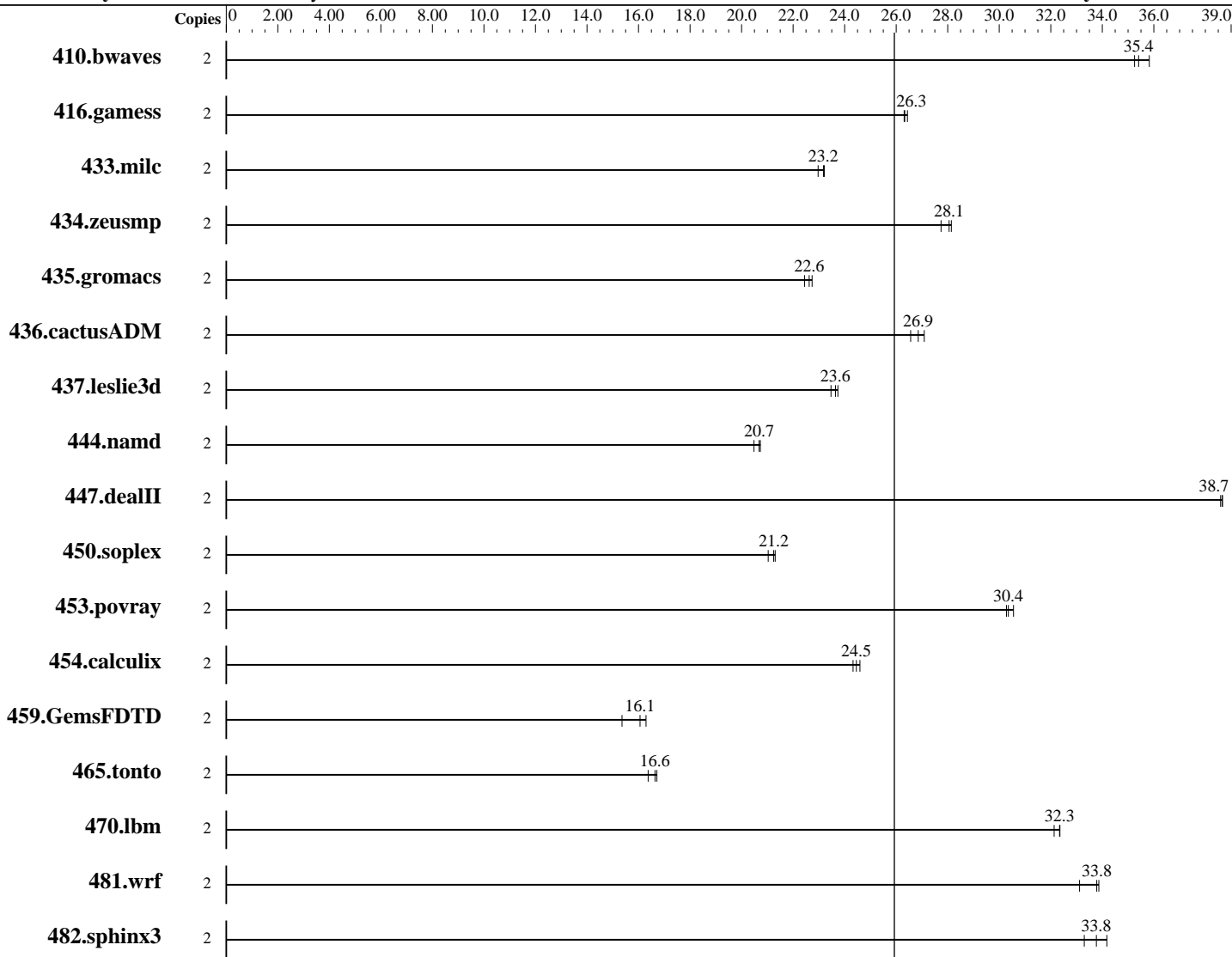
Test sponsor: azure

Tested by: CloudHarmony Inc

Test date: May-2013

Hardware Availability: --

Software Availability: --



Hardware

CPU Name: AMD Opteron 4171 HE
 CPU Characteristics: AMD Opteron 4171 HE
 CPU MHz: 2094.707
 FPU: --
 CPU(s) enabled: 2 cores, 1 chip, 1 core/chip
 CPU(s) orderable: --
 Primary Cache: --
 Secondary Cache: 512 KB

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Software

Operating System: CentOS release 6.3 (Final)
 2.6.32-279.14.1.el6.openlogic.x86_64
 Compiler: Intel C++ Compiler for Linux version 12.1.5
 Intel Parallel Studio XE 2011 SP1 Update 3
 Intel Fortran Compiler for Linux version 12.1.5
 Intel Parallel Studio XE 2011 SP1 Update 3
 Auto Parallel: No
 File System: ext4
 System State: Run level 3 (add definition here)

Continued on next page

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L3 Cache: --
Other Cache: --
Memory: 3.242 GB fixme: If using DDR3, format is:
'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem: 99 GB add more disk info here
Other Hardware: --

Base Pointers: --
Peak Pointers: Not Applicable
Other Software: --

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	2	768	35.4	759	35.8	771	35.3							
416.gamess	2	1488	26.3	1481	26.4	1487	26.3							
433.milc	2	792	23.2	791	23.2	799	23.0							
434.zeusmp	2	647	28.1	649	28.1	656	27.7							
435.gromacs	2	628	22.7	631	22.6	636	22.4							
436.cactusADM	2	890	26.9	900	26.6	882	27.1							
437.leslie3d	2	795	23.6	792	23.7	801	23.5							
444.namd	2	774	20.7	776	20.7	783	20.5							
447.dealII	2	592	38.7	592	38.7	593	38.6							
450.soplex	2	785	21.2	783	21.3	793	21.0							
453.povray	2	348	30.6	351	30.4	351	30.3							
454.calculix	2	671	24.6	675	24.5	678	24.3							
459.GemsFDTD	2	1303	16.3	1321	16.1	1382	15.4							
465.tonto	2	1183	16.6	1178	16.7	1202	16.4							
470.lbm	2	850	32.3	849	32.4	855	32.1							
481.wrf	2	660	33.9	675	33.1	661	33.8							
482.sphinx3	2	1141	34.2	1171	33.3	1154	33.8							

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

Submit Notes

The config file option 'submit' was used.

Platform Notes

Sysinfo program /opt/cpu2006/Docs/sysinfo
\$Rev: 6775 \$ \$Date:: 2011-08-16 #\$ 8787f7622badcf24e01c368b1db4377c
running on ch-test-med1 Thu May 16 14:03:30 2013

This section contains SUT (System Under Test) info as seen by some common utilities. To remove or add to this section, see:
<http://www.spec.org/cpu2006/Docs/config.html#sysinfo>

From /proc/cpuinfo

Continued on next page

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Platform Notes (Continued)

```
model name : AMD Opteron(tm) Processor 4171 HE
 1 "physical id"s (chips)
 2 "processors"
cores, siblings (Caution: counting these is hw and system dependent. The
following excerpts from /proc/cpuinfo might not be reliable. Use with
caution.)
  cpu cores : 2
  siblings  : 2
  physical 0: cores 0 1
cache size : 512 KB
```

```
From /proc/meminfo
MemTotal:      3399192 kB
HugePages_Total: 0
Hugepagesize:  2048 kB
```

```
/usr/bin/lsb_release -d
CentOS release 6.3 (Final)
```

```
From /etc/*release* /etc/*version*
centos-release: CentOS release 6.3 (Final)
redhat-release: CentOS release 6.3 (Final)
system-release: CentOS release 6.3 (Final)
system-release-cpe: cpe:/o:centos:linux:6:GA
```

```
uname -a:
Linux ch-test-med1 2.6.32-279.14.1.el6.openlogic.x86_64 #1 SMP Wed Dec 12
18:33:43 UTC 2012 x86_64 x86_64 x86_64 GNU/Linux
```

```
run-level 3 May 16 13:36
```

```
SPEC is set to: /opt/cpu2006
Filesystem      Type      Size      Used Avail Use% Mounted on
/dev/sdc1       ext4      99G       5.7G   88G    7% /opt
```

(End of data from sysinfo program)

General Notes

Environment variables set by runspec before the start of the run:
LD_LIBRARY_PATH = "/opt/cpu2006/libs/32:/opt/cpu2006/libs/64"

Base Compiler Invocation

C benchmarks:
icc -m32

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Base Compiler Invocation (Continued)

C++ benchmarks:
icpc -m32

Fortran benchmarks:
ifort -m32

Benchmarks using both Fortran and C:
icc -m32 ifort -m32

Base Portability Flags

435.gromacs: -nofor_main
436.cactusADM: -nofor_main
454.calculix: -nofor_main
481.wrf: -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:
-ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32 -ansi-alias

C++ benchmarks:
-ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32

Fortran benchmarks:
-ipo -O3 -no-prec-div -static -opt-prefetch

Benchmarks using both Fortran and C:
-ipo -O3 -no-prec-div -static -opt-prefetch -auto-p32 -ansi-alias

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.2.
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