Supermicro
(Test Sponsor: Advanced Micro Devices)
SuperServer 8025C-3RB, Intel Xeon X7350

SPECfp®_rate2006 = Not Run
SPECfp_rate_base2006 = 88.0

CPU2006 license: 49
Test sponsor: Advanced Micro Devices
Tested by: Advanced Micro Devices

Hardware
CPU Name: Intel Xeon X7350
CPU Characteristics:
CPU MHZ: 2933
FPU: Integrated
CPU(s) enabled: 16 cores, 4 chips, 4 cores/chip
CPU(s) orderable: 2,4 chips
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores

Software
Operating System: SuSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
Compiler: gcc, g++, gfortran 4.3.0
Auto Parallel: No
File System: ext3
System State: Runlevel 3 (Full multiuser with network)
Base Pointers: 64-bit
Peak Pointers: Not Applicable
Other Software: None

Copies

SPECfp_rate_base2006 = 88.0
## SPEC CFP2006 Result

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<table>
<thead>
<tr>
<th>CPU2006 license: 49</th>
<th>Test date: Apr-2008</th>
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<tbody>
<tr>
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<td>Hardware Availability: May-2007</td>
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<td>Software Availability: Mar-2008</td>
</tr>
</tbody>
</table>

### L3 Cache: None  
Other Cache: None  
Memory: 32 GB (16 x 2GB DDR2-667 FBDIMM CL5 Dual Rank)  
Disk Subsystem: 1 x 120 GB SATA, 7200 RPM  
Other Hardware: None

### Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Copies</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
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<td>76.6</td>
</tr>
</tbody>
</table>

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

### Operating System Notes

'numactl' was used to bind copies to the cores

### Base Compiler Invocation

- C benchmarks: gcc
- C++ benchmarks: g++
- Fortran benchmarks: gfortran

Continued on next page
Base Compiler Invocation (Continued)

Benchmarks using both Fortran and C:

```shell
gcc gfortran
```

Base Portability Flags

410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
436.cactusADM: -DSPEC_CPU_LP64
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
459.GemsFDTD: -DSPEC_CPU_LP64
465.tonto: -DSPEC_CPU_LP64
470.lbm: -DSPEC_CPU_LP64
481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX -DSPEC_CPU_CASE_FLAG
482.sphinx3: -DSPEC_CPU_LP64

Base Optimization Flags

C benchmarks:

```shell
-03 -funroll-loops -fno-strict-aliasing
```

C++ benchmarks:

```shell
-03 -funroll-loops -fno-strict-aliasing
```

Fortran benchmarks:

```shell
-03 -funroll-loops -fno-strict-aliasing
```

Benchmarks using both Fortran and C:

```shell
-03 -funroll-loops -fno-strict-aliasing
```

The flags file that was used to format this result can be browsed at

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.05.html

You can also download the XML flags source by saving the following link:

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.05.xml
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For questions about this result, please contact the tester. For other inquiries, please contact webmaster@spec.org.