SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.

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<tr>
<td>471.omnetpp</td>
</tr>
<tr>
<td>473.ast</td>
</tr>
<tr>
<td>483.xalancbmk</td>
</tr>
</tbody>
</table>

### Hardware

- **CPU Name:** AMD Opteron 2347
- **CPU Characteristics:**
  - CPU MHz: 1900
  - FPU: Integrated
  - CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
  - CPU(s) orderable: 1,2 chips
  - Primary Cache: 64 KB I + 64 KB D on chip per core
  - Secondary Cache: 512 KB I+D on chip per core
  - L3 Cache: 2 MB I+D on chip per chip
  - Other Cache: None

### Software

- **Operating System:** SuSE Linux Enterprise Server 10 SP1 64-bit kernel
- **Compiler:** The Portland Group (PGI)
  - PGI pgcc 7.1-0 C Compiler
  - PGI pgCC 7.1-0 C++ Compiler
  - PathScale Compiler Suite, Release 3.0
- **Auto Parallel:** No
- **File System:** ReiserFS
- **System State:** Multi-user, run level 2
- **Base Pointers:** 32/64-bit
- **Peak Pointers:** 32/64-bit
SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.

Operating System Notes
- Environment stack size set to 'unlimited'
- PGI_HUGE_PAGES set to 896.
- Total number of huge pages available is 7168.

Results Table

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

General Notes
Product description located as of http://www.supermicro.com/Aplus/motherboard/Opteron2000/MCP55/H8DM3-2.cfm
SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.

Base Compiler Invocation

C benchmarks:
pgcc

C++ benchmarks:
pgcpp

Base Portability Flags

400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
401.bzip2: -DSPEC_CPU_LP64
403.gcc: -DSPEC_CPU_LP64
429.mcf: -DSPEC_CPU_LP64
445.gobmk: -DSPEC_CPU_LP64
456.hmmer: -DSPEC_CPU_LP64
458.sjeng: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
464.h264ref: -DSPEC_CPU_LP64
483.xalancbmk: -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:
-fast -Mipa=fast -Mipa=inline -Mipa=noarg -Mfprelaxed
-huge:840 -tp barcelona-64 -Bstatic_pgi

C++ benchmarks:
--fastsse -Mipa=fast -Mipa=inline -Mfprelaxed -Msmartalloc=huge:448
--z0eh -tp barcelona -Bstatic_pgi

Base Other Flags

C benchmarks:
-w
SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.

Base Other Flags (Continued)

C++ benchmarks:
- w

Peak Compiler Invocation

C benchmarks (except as noted below):
  pgcc
  400.perlbench: pathcc
  403.gcc: pathcc
  445.gobmk: pathcc
  464.h264ref: pathcc

C++ benchmarks (except as noted below):
  pgcpp
  483.xalancbmk: pathCC

Peak Portability Flags

  SPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
  401.bzip2: -DSPEC_CPU_LP64
  445.gobmk: -DSPEC_CPU_LP64
  56.hmmer: -DSPEC_CPU_LP64
  43.gprof: -DSPEC_CPU_LP64
  462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
  464.h264ref: -DSPEC_CPU_LP64
  483.xalancbmk: -DSPEC_CPU_LINUX
SPEC CINT2006 Result

Supermicro
Motherboard H8DM3-2 AMD Opteron 2347

SPECint_rate2006 = NA
SPECint_rate_base2006 = NA

CPU2006 license: 001176
Test sponsor: Supermicro
Tested by: Supermicro

SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.

Peak Optimization Flags

C benchmarks:

400.perlbench: -fb_create fbdata(pass 1) -fb_opt fbdata(pass 2) -O fast
-LNO:opt=0

401.bzip2: -Mpf(i pass 1) -Mpfo(pass 2) -fast
-Msmartalloc=huge:448 -tp barcelon a-64 -Bstatic_pgi

403.gcc: -fb_create fbdata(pass 1) -fb_opt fbdata(pass 2) -m32 -O3
-OPT:O fast

-tp barcelon a -Bstatic_pgi

445.gobmk: -fb_create fbdata(pass 1) -fb_opt fbdata(pass 2) -03
-OPT:alias=disjoint -LNO:simd=0 -LNO:minvariant=off
-WOPT:typedef=on

456.hmmer: -fast -Msmartalloc=huge:448 -Mfprelaxed -Msafept r
-Mipa=cons Mipa=ptr -Mipa=arg -tp barcelon a-64
-Bstatic_pgi

58.sjeng: -Mpf(i pass 1) -Mipa=fast(pass 2) -Mipa=inline:1(pass 2)
-Mipa=noarg(pass 2) -Mfpo(pass 2) -fast
-Msmartalloc=huge:448 -Mfprelaxed -tp barcelon a-64
-Bstatic_pgi

- -fast -Mfprelaxed -Msmartalloc=huge:448 -Munroll=m:4
-Mipa=fast -Mipa=inline -Mipa=noarg -Bstatic_pgi

414.h264ref: -fb_create fbdata(pass 1) -fb_opt fbdata(pass 2) -03
-IPA:plimit=20000 -OPT:alias=disjoint -LNO:prefetch=0

C++ benchmarks:

471.omnetpp: basepeak = yes
473.astar: basepeak = yes

Continued on next page
SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.

Peak Optimization Flags (Continued)

483.xalancbmk: -Ofast -m32 -OPT:unroll_times_max=8
   -L/cpu2006/work/cpu2006/SmartHeap -lsmartheap

Peak Other Flags

C benchmarks (except as noted below):
   -w
   400.perlbench: No flags used
   403.gcc: No flags used
   445.gobmk: No flags used
   464.h264ref: No flags used

C++ benchmarks (except as noted below):
   -w
   483.xalancbmk: No flags used

The flags file that was used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/amd814GH-flags.20090714.01.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/amd814GH-flags.20090714.01.xml
### SPEC CINT2006 Result

**Supermicro**

Motherboard H8DM3-2 AMD Opteron 2347

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**SPEC has determined that this result was not in compliance with the SPEC CPU2006 run and reporting rules. Specifically, the processor vendor reported that the processor would not meet the SPEC OSG requirements for continued availability.**

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