CFP2000 Result

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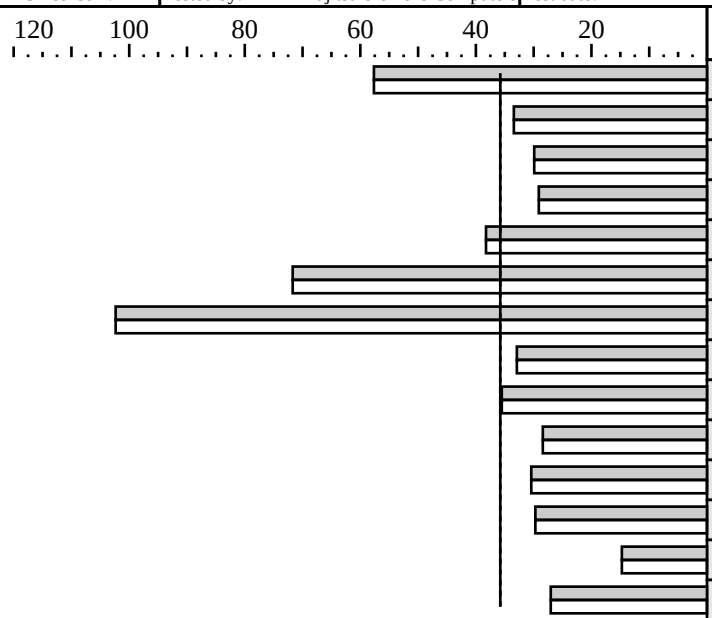
Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5060 processor, 3.20 GHz

SPECfp_rate2000 = 35.8

SPECfp_rate_base2000 = 35.8

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Mar-2006 | Hardware Avail: Jun-2006 | Software Avail: Jan-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	64.4	57.6	2	64.4	57.6
171.swim	2	215	33.4	2	215	33.4
172.mgrid	2	140	29.9	2	140	29.9
173.applu	2	167	29.1	2	167	29.1
177.mesa	2	84.9	38.2	2	84.9	38.2
178.galgel	2	93.8	71.7	2	93.8	71.7
179.art	2	58.9	102	2	58.9	102
183.equake	2	91.6	32.9	2	91.6	32.9
187.facerec	2	124	35.5	2	124	35.5
188.ammp	2	180	28.4	2	180	28.4
189.lucas	2	153	30.4	2	153	30.4
191.fma3d	2	164	29.7	2	164	29.7
200.sixtrack	2	173	14.7	2	173	14.7
301.apsi	2	223	27.0	2	223	27.0

Hardware

CPU:	Intel Xeon 5060 processor (3.20 GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip, per core
Secondary Cache:	2048KB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1GB DDRII-RAM PC2-4200F (CAS 4-4-4)
Disk Subsystem:	Seagate ST936701SS (SAS, 10 krpm, 36GB)
Other Hardware:	none

Software

Operating System:	64-Bit SUSE LINUX Enterprise Server 9 with SP3 Kernel 2.6.5-7.244-smp on an x86_64
Compiler:	Intel C++ and Fortran Compiler 9.0 for EM64T Build 20060120 (for 64-bit applications)
File System:	ext3
System State:	Multi-user run level 3

Notes/Tuning Information

```
GENERAL
+FDO implies feedback-directed optimization
PASS1: -prof_gen  PASS2: -prof_use

Optimization flags
ONESTEP=yes set for all benchmarks

Portability flags
-DSPEC_CPU2000_LP64 applied to all benchmarks
178.galgel: -FI for fixed-format Fortran

Base tuning flags
   for Fortran and C programs: -fast +FDO

Peak tuning flags
   same as baseline (basepeak=true set globally)
```

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Notes/Tuning Information (Continued)

The system bus runs at 1066 MHz

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

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