CFP2000 Result

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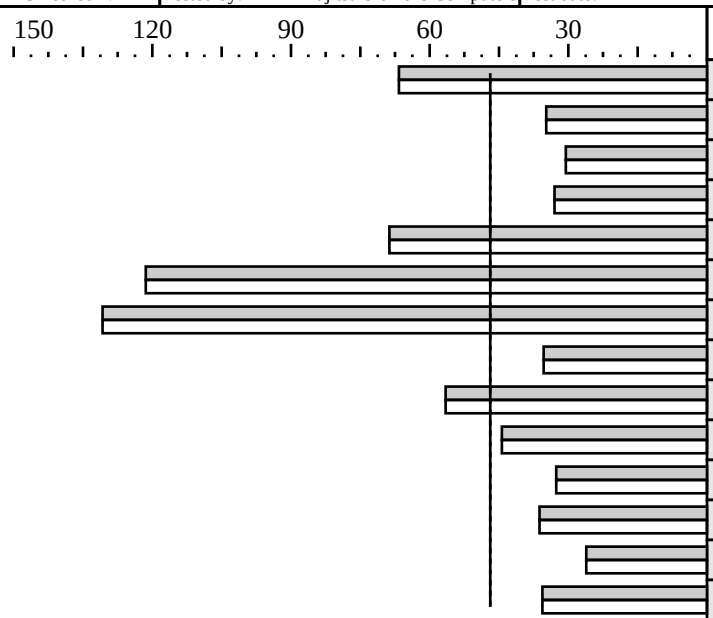
Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5160 processor, 3.0 GHz

SPECfp_rate2000 = 46.9

SPECfp_rate_base2000 = 46.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	55.7	66.7	2	55.7	66.7
171.swim	2	207	34.8	2	207	34.8
172.mgrid	2	137	30.5	2	137	30.5
173.applu	2	148	33.0	2	148	33.0
177.mesa	2	47.3	68.7	2	47.3	68.7
178.galgel	2	55.4	121	2	55.4	121
179.art	2	46.1	131	2	46.1	131
183.equake	2	85.3	35.3	2	85.3	35.3
187.facerec	2	78.0	56.5	2	78.0	56.5
188.ammp	2	115	44.4	2	115	44.4
189.lucas	2	142	32.6	2	142	32.6
191.fma3d	2	134	36.2	2	134	36.2
200.sixtrack	2	97.7	26.1	2	97.7	26.1
301.apsi	2	169	35.6	2	169	35.6

Hardware

CPU:	Intel Xeon 5160 processor (3.0 GHz, 4MB L2, 1333 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip, per core
Secondary Cache:	4096KB(I+D) on chip, shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1GB DDRII-RAM PC2-5300F (CAS 5-5-5)
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 1333 MHz

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

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