CFP2000 Result

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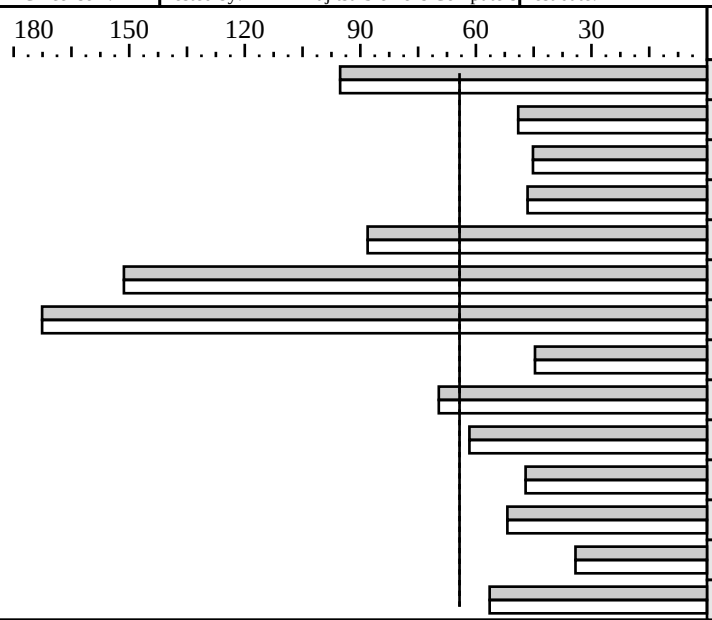
Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5080 processor, 3.73 GHz

SPECfp_rate2000 = 64.2

SPECfp_rate_base2000 = 64.2

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	4	77.9	95.2	4	77.9	95.2
171.swim	4	293	49.0	4	293	49.0
172.mgrid	4	185	45.2	4	185	45.2
173.applu	4	209	46.6	4	209	46.6
177.mesa	4	73.7	88.1	4	73.7	88.1
178.galgel	4	88.9	151	4	88.9	151
179.art	4	69.9	173	4	69.9	173
183.equake	4	135	44.7	4	135	44.7
187.facerec	4	127	69.6	4	127	69.6
188.ammp	4	165	61.7	4	165	61.7
189.lucas	4	197	47.1	4	197	47.1
191.fma3d	4	188	51.8	4	188	51.8
200.sixtrack	4	149	34.1	4	149	34.1
301.apsi	4	214	56.4	4	214	56.4

Hardware

CPU:	Intel Xeon 5080 processor (3.73 GHz, 2x2MB L2, 1066 MHz system bus)
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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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