CFP2000 Result

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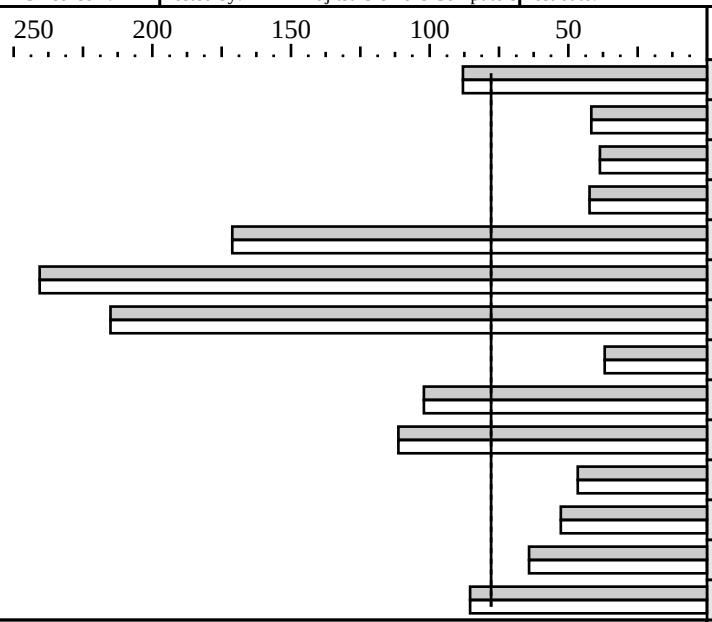
Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon processor E5320, 1.86 GHz

SPECfp_rate2000 = 77.8

SPECfp_rate_base2000 = 77.8

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Nov-2006 | Hardware Avail: Nov-2006 | Software Avail: Aug-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	169	88.0	8	169	88.0
171.swim	8	690	41.7	8	690	41.7
172.mgrid	8	433	38.6	8	433	38.6
173.applu	8	460	42.4	8	460	42.4
177.mesa	8	75.9	171	8	75.9	171
178.galgel	8	112	241	8	112	241
179.art	8	112	215	8	112	215
183.equake	8	327	36.9	8	327	36.9
187.facerec	8	173	102	8	173	102
188.ammp	8	183	111	8	183	111
189.lucas	8	398	46.6	8	398	46.6
191.fma3d	8	370	52.7	8	370	52.7
200.sixtrack	8	159	64.2	8	159	64.2
301.apsi	8	282	85.4	8	282	85.4

Hardware

CPU:	Intel Xeon processor E5320 (1.86 GHz, 2x4MB L2, 1066 MHz system bus)
CPU MHz:	1866
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x1GB DDR2-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 10 Kernel 2.6.16.21-0.8-smp on an x86_64
Compiler:	Intel C++ and Fortran Compiler 9.1 for EM64T Build 20060816 (for 64-bit applications)
File System:	reiserfs
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.

BIOS Configuration:
Adjacent Cache Line Prefetch = Disable

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