CFP2000 Result

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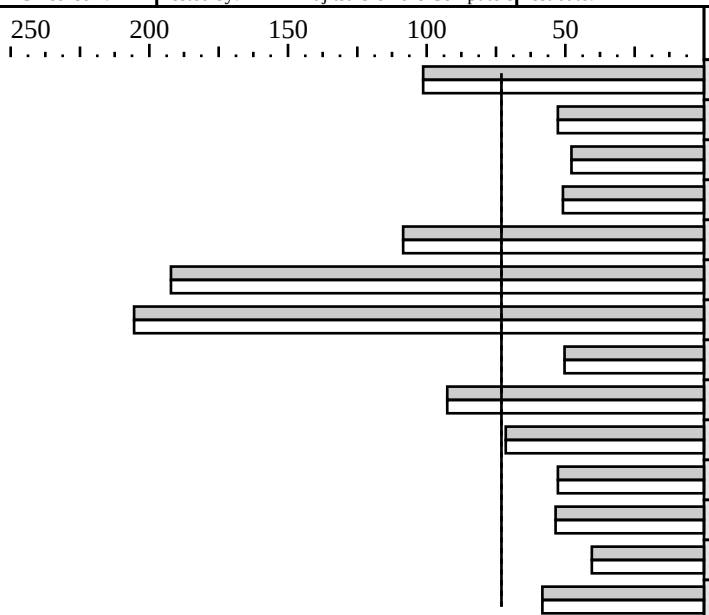
Fujitsu Siemens Computers

PRIMERGY BX620 S3, Intel Xeon 5140 processor, 2.33 GHz

SPECfp_rate2000 = 73.0

SPECfp_rate_base2000 = 73.0

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	4	73.3	101	4	73.3	101
171.swim	4	273	52.7	4	273	52.7
172.mgrid	4	175	47.8	4	175	47.8
173.applu	4	192	50.9	4	192	50.9
177.mesa	4	59.9	108	4	59.9	108
178.galgel	4	70.0	192	4	70.0	192
179.art	4	58.7	205	4	58.7	205
183.equake	4	120	50.3	4	120	50.3
187.facerec	4	95.2	92.6	4	95.2	92.6
188.ammp	4	143	71.5	4	143	71.5
189.lucas	4	176	52.7	4	176	52.7
191.fma3d	4	182	53.5	4	182	53.5
200.sixtrack	4	126	40.4	4	126	40.4
301.apsi	4	207	58.3	4	207	58.3

Hardware

CPU:	Intel Xeon 5140 processor (2.33 GHz, 4MB L2, 1333 MHz system bus)
CPU MHz:	2333
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 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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