CFP2000 Result

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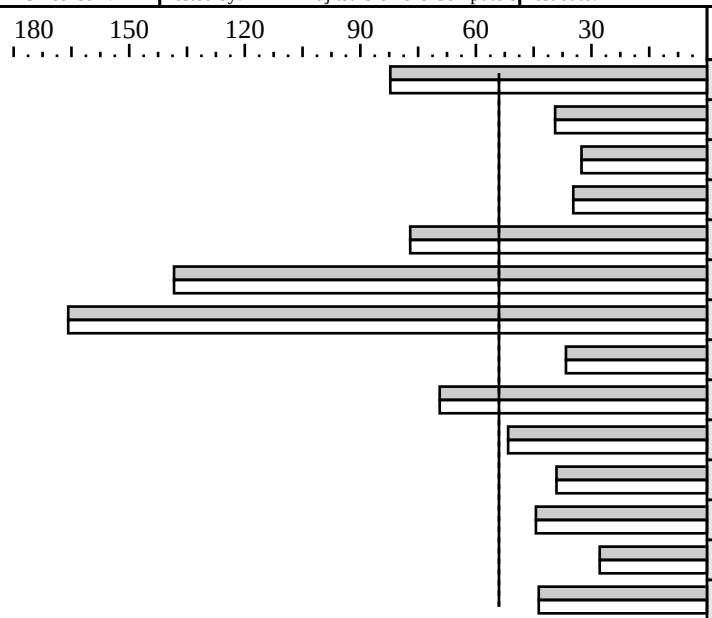
Fujitsu Siemens Computers

PRIMERGY Econel200 S2, Intel Xeon processor 5110, 1.60 GHz

SPECfp_rate2000 = 54.0

SPECfp_rate_base2000 = 54.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	90.3	82.2	4	90.3	82.2
171.swim	4	365	39.4	4	365	39.4
172.mgrid	4	256	32.6	4	256	32.6
173.applu	4	281	34.7	4	281	34.7
177.mesa	4	84.3	77.1	4	84.3	77.1
178.galgel	4	97.2	138	4	97.2	138
179.art	4	72.7	166	4	72.7	166
183.equake	4	165	36.6	4	165	36.6
187.facerec	4	127	69.4	4	127	69.4
188.ammp	4	198	51.6	4	198	51.6
189.lucas	4	237	39.1	4	237	39.1
191.fma3d	4	219	44.4	4	219	44.4
200.sixtrack	4	183	27.9	4	183	27.9
301.apsi	4	276	43.7	4	276	43.7

Hardware

CPU:	Intel Xeon processor 5110 (1.60 GHz, 4MB L2, 1066 MHz system bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	4096(I+D) on chip, per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1GB DDR2-RAM PC2-5300F (CAS 5-5-5)
Disk Subsystem:	Western Digital WD800JD (SATA, 7.2krpm, 80GB)
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 Sector Prefetch = Disable

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