CFP2000 Result

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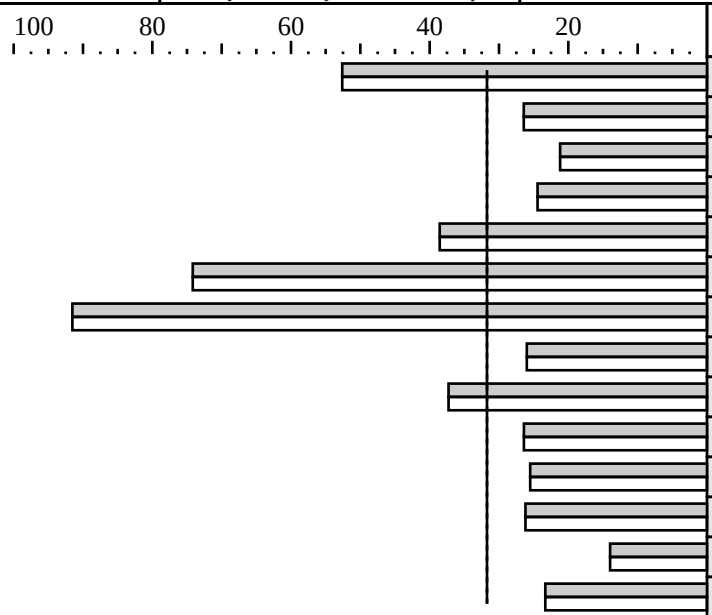
Fujitsu Siemens Computers

PRIMERGY Econel200 S2, Intel Xeon processor 5110, 1.60 GHz

SPECfp_rate2000 = 31.7

SPECfp_rate_base2000 = 31.7

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	2	70.6	52.6	2	70.6	52.6
171.swim	2	272	26.4	2	272	26.4
172.mgrid	2	197	21.2	2	197	21.2
173.applu	2	199	24.4	2	199	24.4
177.mesa	2	84.3	38.6	2	84.3	38.6
178.galgel	2	90.7	74.2	2	90.7	74.2
179.art	2	65.9	91.5	2	65.9	91.5
183.equake	2	116	26.0	2	116	26.0
187.facerec	2	118	37.3	2	118	37.3
188.ammp	2	193	26.4	2	193	26.4
189.lucas	2	182	25.5	2	182	25.5
191.fma3d	2	186	26.2	2	186	26.2
200.sixtrack	2	183	14.0	2	183	14.0
301.apsi	2	259	23.3	2	259	23.3

Hardware

CPU:	Intel Xeon processor 5110 (1.60 GHz, 4MB L2, 1066 MHz system bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 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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