CFP2000 Result

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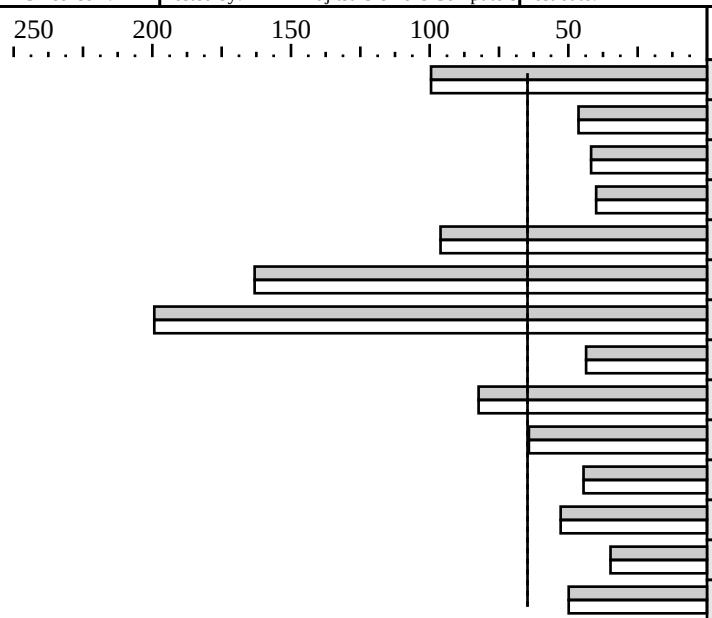
Fujitsu Siemens Computers

PRIMERGY Econel200 S2, Intel Xeon processor 5130, 2.0 GHz

SPECfp_rate2000 = 64.7

SPECfp_rate_base2000 = 64.7

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	4	74.6	99.5	4	74.6	99.5
171.swim	4	310	46.3	4	310	46.3
172.mgrid	4	200	41.8	4	200	41.8
173.applu	4	244	40.0	4	244	40.0
177.mesa	4	67.6	96.1	4	67.6	96.1
178.galgel	4	82.5	163	4	82.5	163
179.art	4	60.5	199	4	60.5	199
183.equake	4	138	43.6	4	138	43.6
187.facerec	4	107	82.4	4	107	82.4
188.ammp	4	159	64.2	4	159	64.2
189.lucas	4	208	44.5	4	208	44.5
191.fma3d	4	185	52.8	4	185	52.8
200.sixtrack	4	147	34.8	4	147	34.8
301.apsi	4	242	49.9	4	242	49.9

Hardware

CPU:	Intel Xeon processor 5130 (2.0 GHz, 4MB L2, 1333 MHz system bus)
CPU MHz:	2000
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 1333 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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