CFP2000 Result

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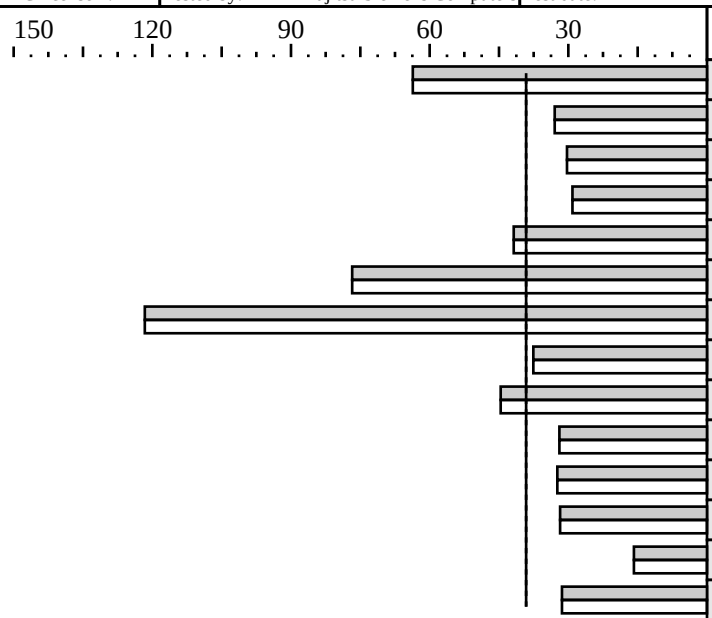
Fujitsu Siemens Computers

PRIMERGY TX150 S5, Intel Pentium D processor 945, 3.40 GHz

SPECfp_rate2000 = 39.1

SPECfp_rate_base2000 = 39.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	58.3	63.6	2	58.3	63.6
171.swim	2	218	32.9	2	218	32.9
172.mgrid	2	138	30.3	2	138	30.3
173.applu	2	167	29.1	2	167	29.1
177.mesa	2	77.7	41.8	2	77.7	41.8
178.galgel	2	87.6	76.8	2	87.6	76.8
179.art	2	49.6	122	2	49.6	122
183.equake	2	80.3	37.6	2	80.3	37.6
187.facerec	2	98.8	44.6	2	98.8	44.6
188.ammp	2	160	31.9	2	160	31.9
189.lucas	2	143	32.4	2	143	32.4
191.fma3d	2	153	31.8	2	153	31.8
200.sixtrack	2	161	15.8	2	161	15.8
301.apsi	2	192	31.4	2	192	31.4

Hardware

CPU:	Intel Pentium D processor 945 (3.40 GHz, 2x2MB L2, 800 MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops(I) + 16KB(D) on chip, per core
Secondary Cache:	2048KB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2GB DDRII-RAM PC2-4200E (CAS 4-4-4)
Disk Subsystem:	Western Digital (SATA, 7.2krpm, 160GB)
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 9.0 for EM64T Build 20060120 (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 800 MHz

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

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